

STATE of INDIANA  
DEPARTMENT of NATURAL RESOURCES  
DIVISION of WATER

BENCH MARK DESCRIPTIONS

BOONE COUNTY, INDIANA

The field work was done by the Indiana Flood Control and Water Resources Commission. All level lines were started from and closed on either First or Second Order bench marks established by the U. S. Coast and Geodetic Survey.

DATUM:

Elevations given in this list have been determined from standard elevations of U.S.C.&G.S. bench marks, based on the NGVD 1929.

INDIANA FLOOD CONTROL AND WATER RESOURCES COMMISSION  
AND/OR  
DEPARTMENT OF NATURAL RESOURCES

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By location & stream

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BOONE COUNTY

The following elevations were determined during July and August, 1956 by leveling between U. S. Coast and Geodetic Survey bench marks along Eagle Creek. This line follows Eagle Creek upstream from the Marion-Boone County Line.

Second Order Levels were run by the three wire method using invar-steel, yard rods. All level circuits closed within allowable limits for second order leveling.

All levels were adjusted to agree with the standard elevations of bench marks as published by the U. S. Coast and Geodetic Survey whenever the adjustment required was within second order limits between consecutive USC&GS bench marks. All elevations in this line are based on the USC&GS standard (adjusting) elevations for the following marks: U79, V79, W79, P78, N78, L78 and K78 In Boone County.

BM BOO 1, 1956 In Boone County, about 0.8 mile south of Zionsville; about 1.25 miles southeast and south along a paved road (South Main Street) from the post office in Zionsville to the New York Central Railroad Overpass, thence 0.6 mile northwest along the New York Central Railroad to the NYC R.R. Bridge over Eagle Creek; set in the top of southwest end of the southeast abutment, 22.7 feet northwest from southeast end of the bridge, 6.6 feet southwest from southwest rail, 2.0 feet below the top of rail, 1.0 foot southeast abutment; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 1 1956."  
859.220 feet NGVD 1929 261.8908 meters NGVD 1929

IFC&WRC TBM BOO 1 In Boone County, about 0.8 miles south of Zionsville; 1.25 miles southeast and south along a paved road (South Main Street) from the post office in Zionsville, to the New York Central Railroad Overpass, thence 0.6 mile northwest along the NYC R.R. to the NYC R.R. Bridge over Eagle Creek; 9.8 feet southeast from the northwest end of bridge, 9.0 feet southwest from the southwest rail, 2.0 feet below the top of rail; a chiseled triangle.  
859.272 feet NGVD 1929 261.9066 meters NGVD 1929

USGS BM TT 6 1951  
In Boone County, about 0.7 mile south of Zionsville; 0.7 mile south along a paved road (South Main Street) from the post office in Zionsville to the crossing of a spur line of the New York Central Railroad; set in the southeast corner of the crossing, 110 feet south from the southwest rail at the crossing, 22 feet west from the west rail, 18 feet east from the centerline of the road, 3 feet east from a power pole #PSI 56-870, 0.2 foot above the ground; a U.S. Geodetic Survey bench mark tablet, stamped "TT 6 1951."  
850.147 feet NGVD 1929 259.1253 meters NGVD 1929

IFC&WRC BM BOO 2, 1956 In Boone County, 0.3 mile south of Zionsville; at the South Main Street Bridge over Eagle Creek; set in the top of the southeast wingwall, 14 feet east of the centerline of the road, 0.5 foot south and 1.2 feet east from the southeast end of the east guard rail; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 2 1956."  
831.110 feet NGVD 1929 253.3228 meters NGVD 1929

IFC&WRC TBM BOO 2, 1956  
In Boone County, about 0.3 mile southeast of Zionsville; 0.25 mile southeast along North Main Street the post office at Zionsville to the bridge over Eagle Creek; set in the southeast side of a 28-inch twin trunk Sycamore tree, 125 feet north of the north end of the bridge, 24 feet east of the centerline of the road, 2.0 feet below the road surface, 1.8 feet above the ground; a railroad spike driven thru a brass plate, stamped "TBM BOO 2 1956."  
827.328 feet NGVD 1929 252.1701 meters NGVD 1929

USC&GS BM U 79, 1946  
In Boone County, at Zionsville; at the corner of South First Street and West Oak Street; set vertically in the west face of the southwest corner of the Farmers State Bank Building, 1.6 feet north of the corner, 4.2 feet above the ground; a U.S. Coast & Geodetic Survey bronze tablet, stamped "U79 1946."  
848.568 feet NGVD 1929 258.6440 meters NGVD 1929

USC&GS BM V 79, 1946

In Boone County, at Zionsville, at the southwest corner of the village park, at the corner of West Oak Street and South Second Street; set in the top of a concrete post, about 300 feet west of the Farmers State Bank Building, 31 feet north of the center line of West Oak Street, 22 feet east of the center line of South Second Street, 11 feet north of a twin trunk 30-inch maple tree, 1.5 feet south of a white wooden witness post, projecting about 0.4 foot above the ground, about level with the intersection; a U.S. Coast & Geodetic Survey bronze tablet, stamped "V79 1946."

842.777 feet NGVD 1929

256.8789 meters NGVD 1929

USC&GS BM W 79, 1946

In Boone County, at Zionsville, at the west edge of town; set in the top of the north corner of the northeast concrete base supporting the northeast leg of the city water tower, 59 feet south of the centerline of State Road 334, and about 1.5 feet below the level of the highway; a U.S. Coast & Geodetic Survey bronze tablet, stamped "W79 1946."

892.364 feet NGVD 1929

271.9931 meters NGVD 1929

ISHC BM BOO G 1

In Boone County, about 0.3 mile southeast of Zionsville; at the State Road 334 Bridge over Eagle Creek; set in top of the southwest end of the northwest sidewalk of the bridge, 16 feet northwest of the centerline of State Road 334, 16.6 feet northeast from the southwest end of bridge, 0.7 foot above the highway; a Indiana and State Highway Commission bench mark tablet, stamped "BOO G 1."

836.265 feet NGVD 1929

254.8941 meters NGVD 1929

IFC&WRC TBM BOO 3

In Boone County, about 0.35 mile southeast of Zionsville; at the State Road 334 Bridge over Eagle Creek; set in the top of the east end of the south handrail base, 17.2 feet south of the centerline of the Highway, 20 feet west of the east end of the bridge, 0.7 foot above the highway, 0.3 foot south of the south iron handrail; a chiseled triangle.

838.176 feet NGVD 1929

255.4766 meters NGVD 1929

IFC&WRC TBM BOO 11, 1956

In Boone County, about 0.2 mile northeast of Zionsville; 0.2 mile northwest along Main Street, from the post office at Zionsville to the junction of a "T"-road northeast, thence 0.04 mile northeast to the end of the road and a north-south "T"-road, thence, 0.01 mile north to the residence of C. A. Philips; set in the north side of a 30-inch twin trunk Walnut tree, 37 feet southwest of the southwest corner of a white house, 11.4 feet east of the centerline of the road, 0.6 foot above the ground; a railroad spike driven thru a brass plate, stamped "BOO 11 1956."

846.792 feet NGVD 1929

258.1027 meters NGVD 1929

IFC&WRC BM BOO 3, 1956

In Boone County, about 0.8 mile north of Zionsville; 0.38 mile northwest along North Main Street from the post office at Zionsville, thence 0.55 mile east and north to the one span steel truss bridge over Eagle Creek; set in the top of the southwest wingwall, 12 feet west of the centerline of the road, 20 feet west of the southwest end of the south truss, 1.0 foot below the road; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 3 1956." Destroyed New Bridge 1965

834.819 feet NGVD 1929

254.4533 meters NGVD 1929

IFC&WRC TBM BOO 4, 1956

In Boone County, about 0.8 mile north of Zionsville; 0.38 mile northwest along North Main Street from the post office at Zionsville, thence 0.55 mile east and north to a one span steel truss bridge over Eagle Creek; set in the west side of a 20-inch Walnut tree, 26 feet north of the north end of the bridge, 16 feet east of the centerline of the road, 2.0 feet below the road, 0.7 foot above the ground; a railroad spike driven thru a brass plate stamped "TBM BOO 4 1956."

833.991 feet NGVD 1929

254.2010 meters NGVD 1929

IFC&WRC BM BOO 4, 1956

In Boone County, about 1.5 miles north of Zionsville; 0.38 mile northwest along Main Street from the post office at Zionsville, thence 0.54 mile east and north to a "T"-road west, thence 1.1 miles west and north to a one span steel truss bridge over Eagle Creek; set in top of the east end of the north bridge seat, 8.8 feet east of the center line of the road, 0.8 foot north of the south face of the north bridge seat, about level with the road; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 4 1956."

846.046 feet NGVD 1929

257.8753 meters NGVD 1929

IFC&WRC TBM BOO 5, 1956

In Boone County, about 1.5 miles north of Zionsville; 0.38 mile northwest along North Main Street from the post office at Zionsville, thence 0.54 mile east and north to a "T"-road west, thence 1.1 miles west and north to a one span steel truss bridge over Eagle Creek; set in the north side of a 16-inch Walnut tree, 48 feet north of the north end of the bridge, 12 feet east of the centerline of the road, 1.0 foot above the ground; a railroad spike driven thru a brass plate, stamped "TBM BOO 5 1956."

842.527 feet NGVD 1929

256.8027 meters NGVD 1929

IFC&WRC TBM BOO 6, 1956

In Boone County, about 2.3 miles north of Zionsville; 0.38 mile northwest along North Main Street from the post office at Zionsville, thence 0.54 mile east and north to a "T"-road west, thence 0.30 mile west to a "T"-road north, thence 1.4 miles north to a "T"-road west, thence 0.15 mile west to a one span steel truss bridge over Eagle Creek; set in the west side of a 14-inch Elm tree, 75 feet east of the east end of the bridge, 20 feet south of the centerline of the road, 0.8 foot above the ground; a railroad spike driven thru a brass plate, stamped "TBM BOO 6 1956."

844.362 feet NGVD 1929

257.3621 meters NGVD 1929

IFC&WRC BM BOO 5, 1956

In Boone County, about 2.3 miles north of Zionsville 2.1 miles northwest along U. S.421 from its intersection with State Road 334, thence 0.9 mile west along a county road to a bridge over Eagle Creek; set in the top of the northeast bridge seat, 9.7 feet north of the centerline of the road, 1.6 feet east of the west face of the east abutment, 1.0 foot below the road; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 5 1956."

848.910 feet NGVD 1929

258.7483 meters NGVD 1929

USC&GS BM P 1946

In Boone County, about 2.2 miles north of Zionsville; 2.1 miles northwest along U. S. Highway 421 from its intersection with State Road 334 near Eagle Village, 100 feet northwest of the junction with a gravel road leading west; set in the top of the center of the northeast headwall of a 6-foot concrete box culvert, 20 feet northeast of the centerline of the highway and about level with the highway; a U.S. Coast & Geodetic Survey bronze bench mark tablet, stamped "P 1946."

877.780 feet NGVD 1929

267.5479 meters NGVD 1929

USC&GS BM N 78, 1956

In Boone County, about 3.2 miles north of Zionsville, 3.2 miles northwest along U. S. Highway 334 near Eagle Village, to a gravel crossroad, in the southwest corner of the intersection; set in the top of a concrete post, 48 feet southwest of the centerline of the highway, 29 feet south of the centerline of the crossroad, 4 feet southeast of a fence corner, 2 feet east of a fence line, 1.7 feet north of a white wooden witness post and about 2 feet below the level of the highway; a U.S. Coast & Geodetic Survey bronze bench mark tablet, stamped "N78 1956."

901.169 feet NGVD 1929

274.6769 meters NGVD 1929

IFC&WRC BM BOO 6, 1956

In Boone County, about 2.1 miles north of Zionsville; 3.1 miles northwest along U. S. Highway 421 from its intersection with State Road 334 to a east-west crossroad, thence 0.7 mile west along a county road, to a single span steel truss bridge over Eagle Creek; set in the top of the west bridge seat, 9.5 feet north of the centerline of the road 1.2 feet west of the east face of the west bridge seat, 1.7 feet below the road; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 6 1956."

856.950 feet NGVD 1929

261.1989 meters NGVD 1929

IFC&WRC TBM BOO 7, 1956

In Boone County, about 3.3 miles north of Zionsville; 3.1 miles northwest along U. S. Highway 421 from its intersection with State Road 334 to an east-west crossroad, thence 0.7 mile west along a county road, to a single span steel truss bridge over Eagle Creek; set in the south side of a 20-inch Elm Ash tree, 122 feet west of the west end of bridge, 52 feet north of the centerline of the road, 21 feet east of the centerline of River Road, 0.8 foot above the ground; a railroad spike driven thru a brass plate, stamped "TBM BOO 7 1956."

853.882 feet NGVD 1929

260.2638 meters NGVD 1929

IFC&WRC BM BOO 7, 1956

In Boone County, about 4.3 miles north of Zionsville; 4.2 miles northwest along U. S. Highway 421 from its intersection with State Road 334 to an east-west crossroad, thence 0.75 mile west along a county road, to a single span steel truss bridge over Eagle Creek; set in the top of the south end of the east bridge seat, 10 feet south of the centerline of the road, 1.3 feet below the road, 0.8 foot east of the west face of the east bridge seat; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 7 1956."

865.877 feet NGVD 1929

263.9198 meters NGVD 1929

IFC&WRC TBM BOO 8 1956

In Boone County, about 4.3 miles north of Zionsville; 4.2 miles northwest along U. S. Highway 421 from its intersection with State Road 334 to an east-west crossroad, thence 0.75 mile west along a county road, to a single span steel truss bridge over Eagle Creek; set in the west side of a 42-inch Cottonwood tree, 25 feet east of the east end of the bridge, 17 feet south of the centerline of the road, 0.9 foot above the ground; a railroad spike driven thru a brass plate, stamped "TBM BOO 8 1956."

864.260 feet NGVD 1929

263.4270 meters NGVD 1929

IFC&WRC BM BOO 8, 1956

In Boone County, about 5.4 miles north of Zionsville; 1.1 miles southeast along U. S. Highway 421 from its intersection with State Road 32 to a T-road west, thence 0.3 mile west on a county road to a single span steel truss bridge over Eagle Creek; set in top of the south end of the west bridge seat, 9 feet south of the centerline of the road, 0.7 foot below the road, 0.5 foot west of the east face of the west bridge seat; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 8 1956."

875.953 feet NGVD 1929

266.9910 meters NGVD 1929

IFC&WRC TBM BOO 9, 1956

In Boone County, about 5.4 miles north of Zionsville; 1.1 miles southeast along U. S. Highway 421 from the intersection with State Road 32 to a "T"-road west, thence 0.3 mile west on a county road to a single span steel truss bridge over Eagle Creek; set in the northeast side of a 6-inch Maple tree, 10 feet south of the centerline of the road, 4.0 feet east of the east end of the bridge, 0.7 foot above the ground; a railroad spike driven thru a brass plate, stamped "TBM BOO 9 1956."

876.995 feet NGVD 1929

267.3086 meters NGVD 1929

USC&GS BM L78, 1946

In Boone County, about 5.4 miles north of Zionsville; at the U. S. Highway 421 48-foot concrete bridge over Fenley Creek; set in the top of the west wingwall, 14.5 feet southwest of the centerline of the highway, about 1 foot above the road level; a U.S. Coast & Geodetic Survey bronze bench mark tablet, stamped "L78 1946."

883.653 feet NGVD 1929

269.3380 meters NGVD 1929

IFC&WRC TBM BOO 101, 1956

In Boone County, at Northfield; 0.6 mile southeast along U. S. Highway 421 from its crossing of State Road 32 to a gravel lane west leading to a white farm house; set in the northwest side of power pole #54-918, 30 feet northeast from the center line of the highway, 15 feet southeast from the extended center line of the farm lane, 12 feet northeast of a mail box (H. Y. Jack Tinch), 0.6 foot above the ground; a railroad spike driven thru a brass plate, stamped "TBM BOO 101 1956."

912.040 feet NGVD 1929

277.9904 meters NGVD 1929

IFC&WRC BM BOO 9, 1956

In Boone County, about 0.9 mile southeast of Rosston; at the U. S. Highway 421 two-span pony truss steel bridge over Eagle Creek; set in the top of the northwest bridge seat, 15.4 feet southwest of the centerline of the highway, 0.6 foot northwest of the southeast face of the bridge seat, 3.4 feet below the road; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 9 1956."

884.583 feet NGVD 1929

269.6214 meters NGVD 1929

USC&GS BM K78, 1946

In Boone County, about 0.55 mile southeast of Rosston; at the intersection of State Road 32 and U.S. Highway 421, in the northeast quarter of the intersection; set in the top of the southeast end of the northeast headwall of a 10-foot concrete box culvert, 110 feet north of the centerline of State Road 32, 19 feet northeast of the centerline of U.S. Highway 421, and about level with the intersection; a U.S. Coast & Geodetic Survey bronze bench mark tablet, stamped "K78 1946."

889.755 feet NGVD 1929

271.1979 meters NGVD 1929

IFC&WRC TBM BOO 10

In Boone County, about 0.75 mile southeast of Rosston; at the State Road 32 concrete arch bridge over Eagle Creek; set in the top of the east end of the south guardrail curb, 14 feet south of the centerline of the bridge, 5.3 feet west of the east end of the south guardrail, 0.4 foot above the road; a chiseled triangle.

895.400 feet NGVD 1929

272.9185 meters NGVD 1929



INDIANA FLOOD CONTROL AND WATER RESOURCES COMMISSION

INDIANAPOLIS, INDIANA

BENCH MARK DESCRIPTIONS

BOONE COUNTY

The field work was done by the Indiana Flood Control and Water Resources Commission. All level lines were started from and closed on either First or Second Order bench marks established by the U. S. Coast and Geodetic Survey.

DATUM:

Elevations given in this list have been determined from standard elevations of USC&GS bench marks, based on the NYC 1929.

BOONE COUNTY

The following elevations were determined during October, 1958, by leveling between U. S. Coast and Geodetic Survey bench marks along Prairie Creek. This line follows Prairie Creek upstream from its confluence with Sugar Creek to the second U. S. Highway 52 Bridge southeast of Lebanon, Indiana.

Second Order Levels were run by the three wire method using invar-steel, yard rods. All level circuits closed within allowable limits for second order leveling.

All levels were adjusted to agree with the standard elevations of bench marks as published by the U. S. Coast and Geodetic Survey whenever the adjustment required was within second order limits between consecutive USC&GS bench marks. All elevations in this line are based on the USC&GS standard (adjusting) elevations for the following marks: H 113, J 113, P 113, A 113, S 112, R 112, J 80 and G 80.

PRAIRIE CREEK

USC&GS BM J 113, 1946

In Boone County, at Thorntown; approximately 0.45 mile northwest along the New York Central Railroad from its station in Thorntown to a overpass over a paved road; set in top of northeast wingwall of overpass near the New York Central Railroad mileage 148/00, 9.5 feet northeast of the northeast rail, 2.5 feet below the tracks; a U.S. Coast & Geodetic Survey bronze disk, stamped "J 113, 1946."

843.364 feet NGVD 1929

257.0579 meters NGVD 1929

USC&GS BM H 113, 1946

In Boone County, at Thorntown; at the intersection of Main and Market Street; set vertically in the north face of the Municipal Building, in the southwest quarter of the intersection, 55 feet south of the centerline of Main Street, 32 feet west of the centerline of Market Street, 3.2 feet above the sidewalk, 1 foot west of the northeast corner of the building; a U. S. Coast and Geodetic Survey bronze disk, stamped "H 113 1946."

856.435 feet NGVD 1929

261.0419 meters NGVD 1929

USC&GS BM P 113, 1946

In Boone County, about 0.3 miles east of Thorntown; at the 3-span concrete State Road 47 Bridge over Prairie Creek; set in top of the southeast wingwall of the bridge, 18 feet south of the centerline of the road, 1.3 feet above the road, 1.3 feet south of the east end of the south guardrail of the bridge; a U.S. Coast & Geodetic Survey bronze disk, stamped "P 113 1946."

824.155 feet NGVD 1929

251.2029 meters NGVD 1929

IFC&WRC TBM PC 1, 1956

In Boone County, about 0.45 mile Thorntown; about 0.45 mile south along Pearl Street (State Road 47) in Thorntown to a small recreation park, in the southeast corner of the park grounds; set in the east side of a 24-inch Walnut tree, 124 feet south of centerline of the park entrance, 23 feet west of centerline of Pearl Street, 0.4 foot above the ground, about level with the street; a railroad spike driven thru a brass plate, stamped "TBM PC 1, 1956."

861.908 feet NGVD 1929

262.7101 meters NGVD 1929

IFC&WRC BM BOO 27, 1958

In Boone County, about 0.8 mile south of Thorntown; 0.8 mile south and southeast along Pearl Street from its intersection with Main Street (State Road 47) in Thorntown to a "Y"-road south and 5-foot pipe culvert under the road; set in top of the southwest headwall of the culvert, 70 feet northwest of the centerline of the road south, 25 feet southwest of the road southeast, 216 feet northwest of the southwest end of the headwall, about 0.5 foot below the roads; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 27 1958."

837.355 feet NGVD 1929

255.2263 meters NGVD 1929

IFC&WRC TBM PC 2, 1958

In Boone County, in the NE  $\frac{1}{4}$  of the SW  $\frac{1}{4}$  of Sec. 1, T. 18 N., R. 2 W., 2<sup>nd</sup> PM.; about 1.3 miles southeast of Thorntown; approximately 1.3 miles south and southeast along Pearl Street from its intersection with Main Street (State Road 47) to the Swine Breeders Pure Serum Company, in the west corner of the grounds; set in the northeast side of a 48-inch Maple tree, 54 feet northeast of the centerline of the road, 140 feet west of the west corner of the building, 0.8 foot above the ground; a railroad spike driven through a brass plate, stamped "TBM PC 2, 1958."

860.297 feet NGVD 1929

262.2191 meters NGVD 1929

IFC&WRC TBM PC 3

In Boone County, about 1.55 miles southeast of Thorntown; 1.55 miles south and southeast along Pearl Street from its intersection with Main Street (State Road 47) in Thorntown to a 12-foot concrete bridge over a small tributary of Prairie Creek; set in top at the southeast end of the southwest guardrail of the bridge, 11 feet southwest of the centerline of the road, 1.5 feet above the road, 0.7 foot northwest of the southeast end of the guardrail; a chiseled triangle.

864.381 feet NGVD 1929

263.4639 meters NGVD 1929

IFC&WRC TBM PC 4, 1958

In Boone County, about 3.7 miles southeast of Thorntown; 0.05 mile west along State Road 47 from its junction with U. S. Highway 52 to a north-south crossroad, thence 1.7 miles south to a "T"-road west, thence 1.05 miles west to a "T"-road south, in the northeast quarter of the junction, set in the south side of power pole #AC 2/49, 25 feet east of the extended centerline of the road south, 15 feet north of the centerline of the road, 0.9 foot above ground, 0.7 foot above the road; a railroad spike driven through a brass plate, stamped "TBM PC 4, 1958."

881.692 feet NGVD 1929

268.7403 meters NGVD 1929

IFC&WRC TBM BOO 28, 1958

In Boone County, about 3.9 miles southeast of Thorntown; 0.05 mile west along State Road 47 from its intersection with U. S. Highway 52 to a north-south crossroad, thence 1.70 miles south to a "T"-road west, thence 0.65 mile west to a 27-foot concrete bridge over a small tributary of Prairie Creek; set in top of the northwest wingwall of the bridge, 12 feet north from the center line of the road, 1.5 feet southeast from the northwest end of the wingwall, 0.9 foot below the road; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 28, 1958."

855.743 feet NGVD 1929

260.8310 meters NGVD 1929

IFC&WRC TBM PC 6

In Boone County, about 4.4 miles southeast of Thorntown; 0.05 mile west along State Road 47 from its intersection with U. S. Highway 52 to a north-south crossroad, thence 1.7 miles south to a "T"-road west; set in top of the northeast wingwall of a 6-foot box culvert, 120 feet west from the center line of the road, 12 feet north from the center line of the "T"-road west, 0.6 foot southeast from the northwest end of the wingwall, 1.5 feet below the road; a chiseled triangle.

860.755 feet NGVD 1929

262.3587 meters NGVD 1929

IFC&WRC BM BOO 29, 1958

In Boone County, about 4.4 miles southeast of Thorntown; 0.05 mile west along State Road 47 from its intersection with U. S. Highway 52 to a north-south crossroad, thence 1.65 miles south to a one-span pony truss bridge over Prairie Creek; set in top of the southwest wingwall of the bridge, 12 feet west from the center line of the road, 5.4 feet northeast from the southwest end of the wingwall, 1.5 feet below the road; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 29, 1958." Info from ISHC. 3/20/74 to be destroyed

859.045 feet NGVD 1929

261.8374 meters NGVD 1929

IFC&WRC TBM PC 5, 1958

In Boone County, about 4.1 miles southeast of Thorntown; 0.05 mile west along State Road 47 from its junction with U. S. Highway 52 to a north-south crossroad, thence 1.1 miles south to a dirt "T"-road east, in the southeast quarter of junction; set in the north side of a power pole, 38 feet east from the center line of the road, 7 feet south of the centerline of the dirt road, 0.3 foot above the ground; a railroad spike driven thru a brass plate, stamped "TBM PC5, 1958."

857.503 feet NGVD 1929

261.3674 meters NGVD 1929

IFC&WRC TBM PC 15, 1958

In Boone County, about 4.9 miles southeast of Thorntown; 1.5 miles southeast along U. S. Highway 52 from its junction with State Road 47 to a gravel "T"-road south (entrance to Arbor Acres Farm) thence about 0.4 mile south and west to a point where the road makes a "Y"; set in the north side of a Locust tree, 79 feet south from the center line of road, 14 feet south from a fence line, about 3 feet below road, 2 feet above ground; a railroad spike driven thru a brass tag, stamped "TBM PC 15, 1958."

863.686 feet NGVD 1929

267.9664 meters NGVD 1929

IFC&WRC TBM PC 7

In Boone County, about 0.5 mile southeast of Thorntown; 1.55 miles southeast along U. S. Highway 52 from its intersection with State Road 47 to a "T"-road south (entrance to Arbor Acres Farm) and a 2-foot pipe culvert under the highway; set in top at center of the southwest concrete headwall of culvert, 63 feet north from center line of the "T"-road, 30 feet southwest of the center line of the southeast bound traffic lane, 3.5 feet below the highway; a chiseled triangle.

879.153 feet NGVD 1929

267.9664 meters NGVD 1929

ISHC BM BOON C-4

In Boone County, about 5.1 miles northwest of Lebanon; at the U. S. Highway 52 130 foot concrete arch bridge over Prairie Creek; set in top at the northwest end of the northeast bridge guardrail base, 21 feet northeast from center line of northwest bound traffic lane, 0.3 foot southeast from the northwest end of bridge, 0.5 foot above highway; a Indiana State Highway Commission bench mark tablet, stamped "BOON C-4."

880.034 feet NGVD

268.2349 meters NGVD 1929

IFC&WRC TBM PC 8, 1958

In Boone County, about 4.95 miles northwest of Lebanon; 2.1 miles southeast along U. S. Highway 52 from its intersection with State Road 47 to a "T"-road east, thence 0.15 mile east to a "T"-road north, in the southwest quarter of junction, set in the north side of power pole #AC/67, 16 feet south from the center line of the "T"-road north, about 1 foot below the junction, 0.4 foot above the ground; a railroad spike driven through a brass plate, stamped "TBM PC8, 1958."

891.563 feet NGVD 1929

271.7489 meters NGVD 1929

IFC&WRC BM BOO 30, 1958

In Boone County, about 5.05 miles northwest of Lebanon; 2.1 miles southeast along U. S. Highway 52 from its intersection with State Road 47 to a "T"-road east, thence 0.2 mile north to a one-span plate girder bridge over Prairie Creek; set in top of the northeast wingwall of bridge, 11 feet east from the center line of the road, 3 feet northeast from the northeast corner of the east steel guardrail about level with the road; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 30, 1958."

872.934 feet NGVD 1929

266.0708 meters NGVD 1929

IFC&WRC BM BOO 31, 1958

In Boone County, about 4.5 miles northwest of Lebanon; 2.1 miles southeast along U. S. Highway 52 from its intersection with State Road 47 to a "T"-road east, thence 0.75 mile east to a one-span pony truss bridge over Prairie Creek; set in top at the south end of the southwest abutment of bridge, 10 feet south from the center line of the bridge, 0.7 foot west from the east face of abutment, 0.2 foot above bridge floor; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 31, 1958."

879.114 feet NGVD 1929

267.9545 meters NGVD 1929

IFC&WRC TBM PC 9

In Boone County, about 4.65 miles northwest of Lebanon; 2.4 miles southeast along U. S. Highway 52 from its intersection with State Road 47 to a "T"-road south and a 2-foot pipe culvert under the "T"-road; set in top at the south end of the west headwall of the culvert, 57 feet southwest from the center line of the southeast traffic bound lane, 26 feet west from the center line of the "T"-road, 3 feet below the junction, 1.2 feet south from the north face of the headwall; a chiseled triangle.

895.489 feet NGVD 1929

272.9456 meters NGVD 1929

IFC&WRC TBM PC 16, 1958

In Boone County, about 4.2 miles northwest of Lebanon; 2.8 miles southeast along U. S. Highway 52 from its junction with State Road 47 to a "T"-road west; set in the west side of a transformer pole, also sta. (#1745+90) about 25 yards southeast from extended center line of the "T"-road, 47 feet northeast from center line of northwest bound traffic lane, 12 feet south from center line of a cinder driveway leading to the Lebanon Sanitary Landfill, 2.9 feet southwest from a white corner gate post, 0.5 foot above highway; a railroad spike driven thru a brass tag, stamped "TBM PC 16, 1958."

909.942 feet NGVD 1929

277.3509 meters NGVD 1929

ISHC BM BOON C-5

In Boone County, about 4 miles northwest of Lebanon; at the U. S. Highway 140-foot concrete arch bridge over Prairie Creek; set in top at the northwest end of the northeast guardrail base, 21 feet northeast from center line of northeast bound traffic lane, 0.3 foot southwest from the northwest end of bridge, about level with the highway; a Indiana State Highway Commission bench mark tablet, stamped "BOON C-5."

890.373 feet NGVD 1929

271.3862 meters NGVD 1929

IFC&WRC TBM PC 10

In Boone County, about 3.55 miles northwest of Lebanon; 3.8 miles southeast along U. S. Highway 52 from its intersection with State Road 47 to a field entrance south and a one-foot pipe culvert under the field entrance road; set in top at center of northwest concrete headwall of culvert, 15 feet southwest from the southwest edge of the pavement of the southeast bound traffic lane, 9 feet northwest from the center line of field entrance, about level with the highway; a chiseled triangle.

898.941 feet NGVD 1929

273.9978 meters NGVD 1929

IFC&WRC TBM PC 17

In Boone County, about 3.35 miles northwest of Lebanon; 4.1 miles southeast along U. S. Highway 52 from its junction with State Road 47 to a T-road east and a one-pipe culvert under the T-road; set in the northeast quarter of intersection, in top at the west end of the concrete headwall of the culvert, 99 feet east from the center line of northwest bound traffic lane of highway, 24 feet north from center line of the "T"-road about 0.5 foot lower than the "T"-road; the center of the nine (9) of the culvert number 91, which is stamped on the top of the headwall.

916.688 feet NGVD 1929

279.4071 meters NGVD 1929

ISHC BM BOON C-6

In Boone County, about 2.8 mile northwest of Lebanon; 4.6 miles southeast along U. S. Highway from its junction with State Road 47 to a 120-foot concrete arch bridge over Prairie Creek; set in top at the northwest end of the northeast guardrail base, 21 feet northeast from the center line of northwest end of bridge, about level with the highway; a Indiana State Highway Commission, bench mark tablet, stamped "BOON C-6."

909.765 feet NGVD 1929

277.2969 meters NGVD 1929

IFC&WRC BM BOO 32, 1958

In Boone County, Lebanon Quad., in the NE  $\frac{1}{4}$  of Section 26, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; about 1.9 miles northwest of Lebanon; at the Lafayette Avenue 55-foot concrete arch bridge over Prairie Creek; set in top at the northeast end of the northwest abutment of the bridge, 11 feet northeast from the center line of the Avenue, 0.7 foot northwest from the southeast face of the northwest abutment, 0.3 foot above the Avenue; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 32 1958".

918.399 feet NGVD 1929

279.9286 meters NGVD 1929

IFC&WRC TBM PC 18

In Boone County, Lebanon Quad., about 1.9 miles northwest of Lebanon; 0.25 mile west along Main Street from the court house at Lebanon to Lafayette Avenue, thence 1.8 miles northwest to the Lafayette Avenue 55-foot concrete arch bridge over Prairie Creek; set in top at center of the southeast concrete wingwall of bridge, 12 feet east from center line of road, 1.1 feet northwest from southeast face of wingwall, 1.1 feet northeast from northeast face of guardrail, 0.2 foot above road; a chiseled cross.

918.344 feet NGVD 1929

279.9118 meters NGVD 1929

ISHC BM BOONE C-15

In Boone County, Lebanon Quad., in the NE  $\frac{1}{4}$  of Section 26, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; about 1.9 miles northwest of Lebanon; 5.6 miles southeast along U. S. Highway 52 from its intersection with State Road 47 to the U. S. Highway 52 120-foot concrete arch bridge over Prairie Creek; set in top at the southeast end of the southwest guardrail base, 8 foot southwest from the southwest edge of pavement of the highway, 0.3 foot northwest from the southeast end of the bridge about level with the highway; a Indiana State Highway Commission bench mark tablet, stamped "BOONE C-15".

921.166 feet NGVD 1929

230.2915 meters NGVD 1929

IFC&WRC BM BOO 33, 1958

In Boone County, Lebanon Quad., in the SE  $\frac{1}{4}$  of Section 26, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; about 1.55 miles northwest of Lebanon; at the Dead End Avenue one-span pony truss bridge over Prairie Creek; set in top of the northeast wingwall of the bridge, 12 feet north from the center line of the road, 7 feet southwest from the northeast end of the wingwall, about level with the road; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 33 1958".

919.862 feet NGVD 1929

280.3745 meters NGVD 1929

IFC&WRC TBM PC 19

In Boone County, Lebanon Quad., about 1.55 miles northwest of Lebanon; 0.8 mile northwest along U. S. Highway 52 from its junction with State Road 32 to an east-west crossroad, thence 0.05 mile west to a one-span steel pony truss bridge over Prairie Creek; set in top of the northwest concrete wingwall of bridge, about 14 feet north from center line of T-road south, 0.3 foot southeast from northwest face of wingwall, 0.2 foot southwest from northeast face, about level with road; a chiseled " + ".

919.387 feet NGVD 1929

280.2297 meters NGVD 1929

IFC&WRC TBM PC 20

In Boone County, Lebanon Quad., about 1.55 miles northwest of Lebanon; 0.8 mile northwest along U. S. Highway 52 from its junction with State Road 32 to an east-west crossroad, thence 0.05 mile west to a one span-steel pony truss bridge over Prairie Creek; set in top of the northeast concrete wingwall of bridge, 13 feet north from the center line of road, 8 feet northeast from the northeast end steel truss of bridge, 1.6 feet southwest from northeast face of wingwall, about 0.4 foot below road; a chiseled " + ".

919.834 feet NGVD 1929

280.3660 meters NGVD 1929

ISHC BM BOON C-12 A

In Boone County, Lebanon Quad., in the SE  $\frac{1}{4}$  of Section 26, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; about 1.35 miles northwest of Lebanon; 0.6 mile northwest along U. S. Highway 52 bypass from its intersection with State Road 32 to the U. S. Highway 52 bypass, overpass over the New York Central Railroad and Prairie Creek; set in top at the northwest end of the northeast sidewalk of the southeast bound traffic bridge, 18 feet northeast from the center line of the highway, 0.7 foot above the highway, 0.35 foot southeast from the northwest end of bridge; a Indiana State Highway Commission bench mark tablet, stamped "BOONE C-12 A".

954.632 feet NGVD 1929

290.9724 meters NGVD 1929

ISHC BM BOON C-12 B

In Boone County, Lebanon Quad., in the SE  $\frac{1}{4}$  of Section 26, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; about 1.35 miles northwest of Lebanon; 0.6 mile northwest along U. S. Highway 52 bypass from its junction with State Road 32 to the U. S. 52 bypass, overpass over the New York Central Railroad and Prairie Creek; set in top at the northwest end of the northeast sidewalk of the northwest bound traffic lane bridge, 20 feet northeast from center line of guardrail, 0.9 foot above road, 0.8 foot southwest from northeast face of sidewalk; a Indiana State Highway Commission bench mark tablet, stamped "BOONE C-12 B".

955.160 feet NGVD 1929

291.1334 meters NGVD 1929

IFC&WRC BM BOO 34, 1958

In Boone County, Lebanon Quad. in the NW  $\frac{1}{4}$  of Section 36, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; about 0.5 miles west of Lebanon; at the North 176<sup>th</sup> Road one-span pony truss bridge over Prairie Creek; set in top at the east end of the north abutment, of the bridge, 11 feet east from the center line of the road, 0.8 foot north from south face of the north abutment, 0.8 foot below the road; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 34, 1958"

929.706 feet NGVD 1929

283.3750 meters NGVD 1929

IFC&WRC BM BOO 35, 1958

In Boone County, Lebanon Quad., in the NW  $\frac{1}{4}$  of Section 36, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; at Lebanon; at the Pennsylvania Railroad Bridge over Prairie Creek; set in top at the south end of the west headwall of the bridge, 22 feet west from the west rail, 7 feet below the rails, 3.8 feet north from the south end of the west headwall; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 35, 1958".

950.173 feet NGVD 1929

289.6133 meters NGVD 1929

USC&GS BM A 113, 1946 In Boone County, Lebanon Quad., in the NW  $\frac{1}{4}$  of Section 36, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; at Lebanon; at the Pennsylvania overpass over State Road 32; set in top of the west end of the southwest wingwall of the overpass, 30 feet south from the center line of the highway, 3.5 feet above the highway; a U.S. Coast & Geodetic Survey bench mark tablet, stamped "A 113, 1946".

939.335 feet NGVD 1929

286.3099 meters NGVD 1929



IFC&WRC BM BOO 36, 1958

In Boone County, Lebanon Quad., in the NE  $\frac{1}{4}$  of Section 36, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; at Lebanon; at the Patterson Street (North C Street) Bridge over Prairie Creek; set in top at the south end of the east concrete guardrail of the bridge, 14 feet east from the center line of the street, 2 feet above the street, 1.4 feet north from the south end of the east guardrail; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 36, 1958".

929.212 feet NGVD 1929

283.2244 meters NGVD 1929

IFC&WRC BM BOO 37, 1958

In Boone County, Lebanon Quad., in the NE  $\frac{1}{4}$  of Section 36, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; at Lebanon; at the junction of Lafayette Avenue and Henry Street, at the Lafayette Avenue Bridge over Prairie Creek; set in top at the southwest end of the northeast guardrail curbing of the bridge, 23 feet northwest from the center line of the avenue 1.2 feet northwest from the southeast end of the bridge, 0.3 foot above the bridge sidewalk, 0.3 foot northeast from the northeast face of the northeast guardrail; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 37, 1958".

927.472 feet NGVD 1929

282.6940 meters NGVD 1929

IFC&WRC TBM PC 11

In Boone County, Lebanon Quad., in the NE  $\frac{1}{4}$  of Section 36, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; at Lebanon; at the junction of Kersey Street and West Franklin Street; set in top of the curb, 29 feet north from the center line of West Franklin Street, 14 feet west from the center line of Kersey Street, 1.1 feet south from the north end of the curb; a chiseled triangle.

926.545 feet NGVD 1929

282.4115 meters NGVD 1929

IFC&WRC BM BOO 38, 1958

In Boone County, Lebanon Quad., in the NE  $\frac{1}{4}$  of Section 36, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; at Lebanon; at the west Chicago Street Bridge over Prairie Creek; set in top at the west end of the south concrete guardrail of the bridge, 26 feet south from the center line of the street, 5.8 feet northeast from the south end of the guardrail, 2.9 feet above the bridge sidewalk; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 38, 1958."

930.178 feet NGVD 1929

283.5188 meters NGVD 1929

IFC&WRC TBM PC 12

In Boone County, Lebanon Quad., in the NE  $\frac{1}{4}$  of Section 36, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; at Lebanon; at the north Jameson Street Bridge over Prairie Creek; set in top of the north end of the east headwall of the bridge, 16 feet east from the center line of the street, 0.7 foot west from the north end of the east steel guardrail, 0.5 foot south from the north end of the bridge, 0.2 foot above the bridge sidewalk; a chiseled triangle.

928.618 feet NGVD 1929

283.0433 meters NGVD 1929

IFC&WRC BM BOO 39, 1958

In Boone County, Lebanon Quad., in the NE  $\frac{1}{4}$  of Section 36, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; at Lebanon; at the north West Street Bridge over Prairie Creek; set in top at the south end of the west concrete guardrail of the bridge, 23 feet west from the center line of the street, 3.7 feet above the sidewalk, 4.4 feet north from the south end of the west guardrail; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 39, 1958".

932.246 feet NGVD 1929

284.1492 meters NGVD 1929

IFC&WRC TBM PC 13

In Boone County, Lebanon Quad., at Lebanon; at the Royal Street Bridge over Prairie Creek; set in top at the northeast corner end of the south headwall of the bridge, 19 feet south from the center line of the street, 3.4 feet west from the east end of the south steel pipe guardrail, 0.8 foot above the bridge sidewalk; a chiseled triangle.

930.200 feet NGVD 1929

283.5255 meters NGVD 1929

IFC&WRC BM BOO 40, 1958

In Boone County, Lebanon Quad., in the SE  $\frac{1}{4}$  of Section 25, T. 19 N., R. 1 W., 2<sup>nd</sup> PM.; at Lebanon; at the Lebanon Street Bridge (State Road 39) over Prairie Creek; set in the top of the west concrete guardrail base of the bridge, 30 feet west from the center line of the street, 7.5 feet south from the north end of the guardrail, 0.8 foot above bridge sidewalk; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 40, 1958".

930.031 feet NGVD 1929

283.4740 meters NGVD 1929

IFC&WRC BM BOO 41, 1958

In Boone County, Lebanon Quad., in the SW  $\frac{1}{4}$  of Section 30, T. 19 N., R. 1 E., 2<sup>nd</sup> PM.; at Lebanon; at the Meridian Street Bridge over Prairie Creek; set in top of the southeast wingwall of the bridge, 35 feet east from the center line of the street, 2.6 feet east from the east face of the east guardrail, 6.1 feet northeast from the southeast corner of the east guardrail, 0.5 foot above the street; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 41, 1958".

DESTROYED

928.971 feet NGVD 1929

283.1509 meters NGVD 1929

IFC&WRC BM BOO 42, 1958

In Boone County, Lebanon Quad., in the SW  $\frac{1}{4}$  of Section 30, T. 19 N., R. 1 E., 2<sup>nd</sup> PM.; at Lebanon; at the north East Street Bridge over Prairie Creek; set in top at the north end of the east guardrail base, 29 feet east from the center line of the street, 3.2 feet south from the north end of the east guardrail, 0.8 foot above the bridge sidewalk, 0.3 foot east from the east face of the east guardrail; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 42, 1958".

929.966 feet NGVD 1929

283.4542 meters NGVD 1929

IFC&WRC TBM PC 14

In Boone County, Lebanon Quad., at Lebanon; at the east Fordice Street Bridge over Prairie Creek; set in top at the west end of the south concrete guardrail of the bridge, 19 feet south from the center line of the street, 4.0 feet east from the west end of the south guardrail, 3.6 feet above the bridge sidewalk; a chiseled triangle.

932.753 feet NGVD 1929

284.3037 meters NGVD 1929

IFC&WRC BM BOO 43, 1958

In Boone County, Lebanon Quad., in the SW  $\frac{1}{4}$  of Section 30, T. 19 N., R. 1 E., 2<sup>nd</sup> PM.; at Lebanon; at the Park Street Bridge over Prairie Creek; set in top at the north end of the west concrete guardrail of the bridge, 16 feet west from the center line of the street, 4.6 feet south from the north end of the west guardrail, 3.6 feet above the bridge sidewalk; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 43, 1958".

934.123 feet NGVD 1929

284.7213 meters NGVD 1929

IFC&WRC BM BOO 44, 1958

In Boone County, Lebanon Quad., in the NW  $\frac{1}{4}$  of Section 31, T. 19 N., R. 1 E., 2<sup>nd</sup> PM.; at Lebanon; at the east Williams Street Bridge over Prairie Creek; set in top at the north end of the west bridge seat, 11 feet north from the center line of the street, 1.3 feet below the bridge sidewalk, 1.1 feet west from east face of the west abutment; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 44, 1958".

930.143 feet NGVD 1929

283.5082 meters NGVD 1929

IFC&WRC BM BOO 45, 1958

In Boone County, Lebanon Quad., in the NE  $\frac{1}{4}$  of Section 31, T. 19 N., R. 1 E., 2<sup>nd</sup> PM.; at Lebanon; at the east Washington Street Bridge over Prairie Creek; set in top of the northeast wingwall of the bridge, 14 feet north from the center line of the street, 5.3 feet southwest from the northeast end of the northeast wingwall, 1.2 feet above the street; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 45 1958".

934.836 feet NGVD 1929

284.9386 meters NGVD 1929

IFC&WRC BM BOO 46, 1958

In Boone County, Lebanon Quad., in the NE  $\frac{1}{4}$  of Section 31, T. 19 N., R. 1 E., 2<sup>nd</sup> PM.; at Lebanon; at the east Main Street Bridge over Prairie Creek; set in top at the east end of the north sidewalk of the bridge, 11 feet north from the center line of the street, 2.2 feet west from the east end of the bridge, 0.6 foot north from the south face of the north bridge sidewalk, 0.1 foot above the street; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 46 1958".

931.708 feet NGVD 1929

283.9852 meters NGVD 1929

IFC&WRC BM BOO 47, 1958

In Boone County, Lebanon Quad., in the SE  $\frac{1}{4}$  of Section 31, T. 19 N., R. 1 E., 2<sup>nd</sup> PM.; at Lebanon; 0.6 mile east along the Central Indiana Railroad from its crossing of the New York Central Railroad in Lebanon to the Central Indiana Railroad Bridge over Prairie Creek; set in top at the southeast end of the southwest bridge seat, 4.6 feet below the rails, 3.9 feet southeast from the southeast rail, 1.4 feet southwest from the northeast face of the southwest bridge seat; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 47 1958".

931.259 feet NGVD 1929

283.8483 meters NGVD 1929

USC&GS BM S 112, 1946

In Boone County, Lebanon Quad., in the NE  $\frac{1}{4}$  of Section 31, T. 19 N., R. 1 E., 2<sup>nd</sup> PM.; about 0.2 mile southeast of Lebanon; at the Lindburgh School Building; set vertically in the south face of the school building about midway between the first and second basement windows west of the southeast corner of the building, 14 feet west from the southeast corner, 3.5 feet above ground; a U.S. Coast & Geodetic Survey bench mark tablet, stamped "S 112 1946".

948.023 feet NGVD 1929

288.9580 meters NGVD 1929

IFC&WRC BM BOO 48, 1958

In Boone County, Lebanon Quad., in the SW  $\frac{1}{4}$  of Section 32, T. 19 N., R. 1 E., 2<sup>nd</sup> PM.; about 0.5 miles southeast of Lebanon; at the State Road 32, 20-foot concrete bridge over Prairie Creek; set in top of the northeast wingwall of the bridge, 12 feet north from the center line of the highway, 1.4 feet northwest from the northeast corner of the north concrete guardrail, 0.2 foot above the highway; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 48 1958".

939.011 feet NGVD 1929

286.2111 meters NGVD 1929

IFC&WRC BM BOO 49, 1958

In Boone County, Lebanon Quad., in the SE  $\frac{1}{4}$  of Section 32, T. 19 N., R. 1 E., 2<sup>nd</sup> PM.; about 1.0 mile southeast of Lebanon; at the State Road 32 18-foot concrete bridge over Isenhour Ditch; set in top of the northeast wingwall of the bridge, 11 feet north from the center line of the highway, 0.75 foot northwest from the northeast corner of the north concrete guardrail, 0.6 foot below the highway; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 49 1958".

940.826 feet NGVD 1929

286.7643 meters NGVD 1929

USC&GS BM R 112, 1946

In Boone County, Lebanon Quad., in the SW  $\frac{1}{4}$  of Section 33, T. 19 N., R. 1 E., 2<sup>nd</sup> PM.; about 1.4 miles southeast of Lebanon; at the State Road 32 15-foot concrete bridge over Isenhour Ditch; set in top of the northwest wingwall of the bridge, 15 feet north from the center line of the highway, 0.5 foot above the highway; a U.S. Coast & Geodetic Survey bench mark tablet, stamped "R 112 1946".

945.943 feet NGVD 1929

288.3240 meters NGVD 1929

USC&GS BM J 80, 1946

In Boone County, Lebanon Quad., about 1.25 miles southeast of Lebanon; about 1.25 miles southeast along U. S. Highway 52 (Business route) from the court house in Lebanon at the L. Campbell farm; set in top of a concrete post, 67 feet east from southeast corner of a 2-story brick house, southwest from southwest edge of highway, pavement, 17.5 feet northeast from a fence line, about level with highway, projecting 5-inches above ground; a U. S. Coast and Geodetic bronze disk, stamped "J 80 1946".

947.646 feet NGVD 1929

288.8431 meters NGVD 1929

IFC&WRC BM BOO 50, 1958

In Boone County, Lebanon Quad., in the NW  $\frac{1}{4}$  of Section 5, T. 18 N., R. 1 E., 2<sup>nd</sup> PM.; about 0.7 mile southeast of Lebanon; 1.95 miles southeast along the New York Central Railroad from its station in Lebanon to the NYC R.R. Bridge over Prairie Creek; set in top of the northwest wingwall of the bridge, 20 feet northeast from the northeast rail, 8 feet below the rails, 0.6 foot northwest from the southeast face of the wingwall; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 50 1958".

944.340 feet NGVD 1929

287.8354 meters NGVD 1929

IFC&WRC BM BOO 51, 1958

In Boone County, Lebanon Quad., in the NE  $\frac{1}{4}$  of Section 8, T. 18 N., R. 1 E., 2<sup>nd</sup> PM.; about 2.15 miles southeast of Lebanon; at the West 166<sup>th</sup> Street one-span pony truss bridge over Prairie Creek; set in top of the southeast wingwall of the bridge, 11 feet south from the center line of the road, 0.9 foot east from the west face of the wingwall, 0.3 foot below the road; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 51 1958".

943.048 feet NGVD 1929

287.4416 meters NGVD 1929

In Boone County, Lebanon Quad., in the NW ¼ of Section 8, T. 18 N., R. 1 E.,  
2<sup>nd</sup> PM.; about 2.25 miles southeast of Lebanon, 1.9 mile southeast along U. S.  
Highway 52 bypass from its junction with State Road 32 to the U. S. 52  
(business route) concrete bridge over Prairie Creek, set in top of the  
northeast wingwall of the northwest bound traffic lanes going through Lebanon,  
19 feet northeast from center of bridge, 0.8 foot northeast from northeast  
face of northeast concrete guardrail, 0.9 foot above road; a Indiana State  
Highway Commission bench mark tablet, stamped "BOON C-18."  
949.745 feet NGVD 1929                      289.4829 meters NGVD 1929

In Boone County, Lebanon Quad., in the SE ¼ of Section 8, T. 18 N., R. 1 E.,  
2<sup>nd</sup> PM.; about 2.75 miles southeast of Lebanon, 2.4 miles southeast along U.  
S. Highway 52 bypass from its intersection with State Road 39 to a 20-foot box  
culvert over Prairie Creek; set in top at the northwest end of the northeast  
headwall of the culvert, 13 feet northeast from the northeast edge of the  
highway, about 1 foot above the highway; a U.S. Coast & Geodetic Survey bench  
mark tablet, stamped "G-80 1946".

948.830 feet NGVD 1929                      289.2040 meters NGVD 1929

The following elevations were determined during July, August 1957, and June, September and October 1958, by leveling between U. S. Coast and Geodetic Survey bench marks along Sugar Creek. This line follows Sugar Creek upstream from the Boone-Montgomery County Line to the Boone-Clinton County Line. Marks along Prairie Creek are along the eastern edge of the town of Thorntown, Indiana.

All levels were adjusted to agree with the standard elevations of bench marks as published by the U. S. Coast and Geodetic Survey whenever the adjustment required was within second order limits between consecutive USC&GS bench marks. All elevations in this line are based on the USC&GS standard (adjusted) elevations for the following marks: K 113, J 113, ISHC Boon C-8, all in Boone County, Y 77 in Clinton County and T 32 in Montgomery County.

In Boone County, about 4.45 miles west of Thorntown; 4.45 miles west along State Road 47 from its junction with State Road 75 in Thorntown, to a 30-foot concrete bridge over a small tributary to Sugar Creek; set in top of the northwest wingwall of the bridge, 10 feet north from the center line of the road, 1.0 foot west from the west end of the north concrete guardrail, about level with the road; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 10 1957."

783.217 feet NGVD 1929                      238.7250 meters NGVD 1929

IFC&WRC TBM SC 86, 1958

In Boone County, about 3.7 miles west of Thorntown; 3.7 miles west on State Road 47 from the intersection of State Road 75 at Thorntown to a paved T-road south; set in the south side of a power pole, 16 feet north of the center line of State Road 47, 0.9 foot above the ground, on the extended center line of the T-road south, about level with the ground; a railroad spike driven through a brass tag, stamped "TBM SC 86 1958." Destroyed

803.922 feet NGVD 1929

243.3418 meters NGVD 1929

IFC&WRC BM BOO 11, 1957

In Boone County, about 3.4 miles west of Thorntown; 3.45 miles west along State Road 47, from its junction with State Road 75 leading south in Thorntown to a T-road north, thence 0.1 mile north to a one-span steel truss bridge over Sugar Creek; set in top at the east end of the south abutment, 10 feet east from the center line of the road, 0.7 foot south from the north face of the south abutment, 0.4 foot below the road; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 11 1957."

Destroyed

798.364 feet NGVD 1929

243.3418 meters NGVD 1929

IFC&WRC TBM SC 87, 1958

In Boone County, about 3.2 miles northwest of Thorntown; 3.37 miles west on State Road 47 from the intersection of State Road 75 at Thorntown to a paved T-road north, thence 0.4 mile north to a gravel T-road east, thence 0.3 mile east on a gravel road; set in the north side of a power pole (#AB 608), 85 feet west of the center line of driveway to a farm house, 17.5 feet west of the east end post of a fence line, 13 feet south of the center line of the road, 0.76 foot above the ground; a railroad spike driven through a brass tag, stamped "TBM SC 87 1958." Destroyed

808.404 feet NGVD 1929

244.8771 meters NGVD 1929

IFC&WRC BM BOO 12, 1957

In Boone County, about 2.3 miles northwest of Thorntown; 0.7 mile west along State Road 47 from its junction with State Road 75 in Thorntown to a T-road north, thence 1.25 miles north and west to a north-south T-road, thence 0.85 mile north and west to a T-road north; set in the northeast quarter of the junction, 53 feet east from the center line of the T-road north, 17 feet north from the center line of the east-west road, 2.3 feet west from a power pole, 0.3 foot above ground, set in top of a concrete post; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 12 1957." Destroyed

809.261 feet NGVD 1929

244.8771 meters NGVD 1929

IFC&WRC BM BOO 13, 1957

In Boone County, about 1.5 miles northwest of Thorntown; 0.7 mile west along State Road 47 from its junction with State Road 75 in Thorntown to a T-road north thence 1.25 miles north and west to a north-south T-road, thence 0.25 mile, north and west to a one-span steel truss bridge over Sugar Creek; set in top of the south end of the west abutment, 10 feet south from the center line of the road, 1.4 feet below the road, 0.9 foot west from the east face of the west abutment; a Indiana Flood Control and Water Resources Commission brass control station tablet, stamped "BOO 13 1957."

803.401 feet NGVD 1929

244.8771 meters NGVD 1929

IFC&WRC TBM SC 88, 1958

In Boone County, about 1.8 miles northwest of Thorntown, 1.1 miles north on Pearl Street from its intersection with State Road 47 at Thorntown to a T-road west, thence 2.0 miles generally west to a T-road south, set in the west side of a lone 14-inch blazed locust tree, 20 feet east of the center line of the T-road south, 20 feet south of the east-west road, 0.8 foot above the ground, about level with the road; a railroad spike driven through a brass tag, stamped "TBM SC 88 1958."

823.400 feet NGVD 1929

250.9728 meters NGVD 1929

IFC&WRC BM BOO 14, 1957

In Boone County, about 1.9 miles northeast of Thorntown, 0.15 mile east along State Road 47 from its junction with State Road 75 in Thorntown to a north-south crossroad (Market Street), thence 0.4 mile north and east to a north-south cross road, thence 0.75 mile north to a T-road west, thence 1.65 miles generally west along a winding gravel road to a farm lane north leading to a large red barn 29 feet north of a mail box (F. W. Stewar), 17 feet east from the center line of the farm lane north, 19 feet north of the center line of the gravel road, 0.2 foot above ground, set in the top of a concrete post; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 14 1957."

804.477 feet NGVD 1929

245.2051 meters NGVD 1929

IFC&WRC TBM SC 89, 1958

In Boone County, about 1.8 miles northwest of Thorntown, 1.1 miles north on Pearl Street from its intersection with State Road 47 at Thorntown to a gravel T-road west, thence 1.0 mile generally west on the gravel road, sit in the east side of a power pole, 15.5 feet south of a fence post connecting two fences, 14 feet west of the center line of the road, 4.4 feet east of a 14-inch locust tree, 0.6 foot above the ground; a railroad spike driven through an aluminum tag, stamped "TBM SC 89 1958."

829.454 feet NGVD 1929

252.8181 meters NGVD 1929

USC&GS BM K 113, 1946

In Boone County, about 1.25 miles north of Thorntown, 1.25 miles northwest along New York Central RR from its station in Thorntown to a concrete overpass over a gravel road, set in top of the northwest wingwall of the overpass, 9 feet southwest from the southwest rail, 2 feet below the rails; a U.S. Coast & Geodetic Survey bench mark tablet, stamped "K 113 1946."

828.699 feet NGVD 1929

252.5880 meters NGVD 1929

IFC&WRC BM BOO 15, 1957 In Boone County, about 0.9 mile north of Thorntown, 0.9 mile northwest along the New York Central RR from its station in Thorntown to the NYC RR Bridge over Sugar Creek, set in top at the east end of the north abutment 9 feet east from the east rail, 2.6 feet below the rails, 1.1 feet north from the south face of north abutment; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 15 1957."

830.609 feet NGVD 1929

253.1701 meters NGVD 1929

USC&GS BM J 113, 1946 In Boone County, about 0.45 mile northwest of Thorntown, along the Cleveland, Cincinnati and Chicago, St. Louis Railway about 0.45 mile northwest of the station at Thorntown, set in the top of the northeast wingwall of a concrete underpass over a paved street near mileage 148/00, 9.5 feet northeast of the northeast rail of the track and about 2 1/2 feet lower than track, 1.25 feet below the top of northeast corner of east headwall, 1.1 feet north from south face of northeast wingwall; a U.S. Coast & Geodetic Survey bronze bench mark tablet, stamped "J 113 1946."

843.364 feet NGVD 1929

257.0579 meters NGVD 1929

IFC&WRC BM BOO 16, 1957

In Boone County, about 0.8 mile north of Thorntown, 0.15 mile east along State Road 47 from its junction with State Road 75 in Thorntown to a north-south crossroad (Market Street), thence 0.4 mile north and east to a north-south crossroad, thence 0.35 mile north to a one-span steel truss bridge over Sugar Creek, set in top of the northeast wingwall of the bridge, 10 feet northeast of the center line of the road, 6.0 feet south from the north face of northeast wingwall, 1.7 feet northeast from northeast end steel truss, 1.8 feet above the road; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 16 1957."

819.338 feet NGVD 1929

249.7347 meters NGVD 1929

IFC&WRC BM BOO 17, 1957

In Boone County about 0.4 mile northeast of Thorntown, 0.15 mile east along State Road 47 from its junction with State Road 75 in Thorntown to a north-south crossroad (Market Street) thence 0.6 mile north and east to a concrete bridge over Prairie Creek, set in top of the south wingwall of the bridge, 13 feet southwest from the center line of the road, 2 feet southeast from the northwest face of the south wingwall, about level with the road; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 17 1957." Destroyed

813.401 feet NGVD 1929

247.9251 meters NGVD 1929

IFC&WRC TBM SC 90, 1958

In Boone County, 0.80 mile northeast of Thorntown, 0.26 mile east along State Road 47 from its junction with State Road 75 in Thorntown to a crossroads (Pearl Street) thence 0.33 mile north along Pearl Street to an east-west crossroads, thence 1.0 mile east along a paved road to a gravel T-road north, set in the south side of a power pole (#AC-6-C 15) in the northwest 1/4 of junction, 19.8 feet north of center line of paved east-west road, 35.2 feet west of gravel T-road north, 0.75 foot above ground, about level with the road; a railroad spike driven through an aluminum tag, stamped "TBM SC 90 1958."

850.709 feet NGVD 1929

259.2966 meters NGVD 1929

IFC&WRC BM BOO 18, 1957

In Boone County, about 1.3 miles northeast of Thorntown, 0.15 mile east along State Road 47 from its junction with State Road 75 in Thorntown to a north-south crossroad (Market Street), thence 1.05 miles north and east to a T-road north, thence 0.5 mile north to a T-road east, set in the northeast quarter of the junction, 27 feet east from the center line of the north-south road, 10 feet north of the T-road east, 2 feet south of a field entrance fence post, 0.1 foot above ground, set in the top of a concrete post; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 18 1957."

835.894 feet NGVD 1929

254.7810 meters NGVD 1929

ISHC BM BOON C-8 In Boone County, about 8.85 miles northwest of Lebanon, 8.85 miles northwest along U. S. Highway 52 from its intersection with State Road 32 west of Lebanon to the U. S. 52 twin concrete arch bridges over Sugar Creek, set in top of the northwest end of the northeast sidewalk of the southeast bound traffic bridge, 17 feet northeast from the center line of the highway, 16 feet southeast from the northwest end of the bridge, 0.7 foot above the highway; a Indiana State Highway Commission bench mark tablet, stamped "BOON C-8." Destroyed by ISHC 6/29/85

826.705 feet NGVD 1929

251.9802 meters NGVD 1929



IFC&WRC TBM SC 91, 1958

In Boone County about 1.6 miles northeast of Thorntown, about 2.2 miles west along State Road 47 from its junction with State Road 75 in Thorntown to the junction of S.R. 47 and U.S. 52, thence about 1.2 miles northwest along U. S. 52 to where a P. S. C. of I. high tension power line crosses the highway, set in the southwest side of a power pole (with the numbers 1526 and 75 painted yellow on it), 45.1 feet east of center line of northwest bound traffic on highway, 2.5 feet east of fence line, about 30 feet southwest of 14-inch cottonwood tree, 0.85 foot above ground, 2.5 feet above road; a railroad spike through an aluminum tag, stamped "TBM SC 91 1958." Destroyed

826.019 feet NGVD 1929

251.7711 meters NGVD 1929

IFC&WRC BM BOO 19, 1957

In Boone County, about 8 miles northwest of Lebanon, 7.9 miles northwest along U. S. Highway 52 from its junction with State Road 32 west of Lebanon to an east-west crossroad, thence mile east and northeast to a 70-foot concrete bridge over Spring Creek, set in top at the northeast end, of the southeast sidewalk of the bridge, 11 feet southeast from the center line of the road, 1.7 feet southwest from the northeast end of the bridge 0.7 foot above the road; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 19 1957."

832.330 feet NGVD 1929

253.6947 meters NGVD 1929

IFC&WRC BM BOO 20, 1957

In Boone County about 8.3 miles northwest of Lebanon, 7.9 miles northwest along U. S. Highway 52 from its intersection with State Road 32 west of Lebanon to an east-west crossroad, thence 1.2 miles east and northeast to a one-span steel truss bridge over Sugar Creek, set in top of the southwest abutment, 10 feet southwest from the center line of the road, 1.1 feet southeast from the northwest face of the southwest abutment, 1.3 feet below the road; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 20 1957." Destroyed

828.730 feet NGVD 1929

252.5974 meters NGVD 1929

IFC&WRC TBM SC 55 In Boone County, about 8.25 miles northwest of Lebanon, 7.9 miles northwest along U. S. Highway 52 from its intersection with State Road 32 west of Lebanon to an east-west crossroad, thence 1.15 miles east and northeast to a 20 foot concrete culvert under the road, set in the top of the north end of the east concrete guardrail, 13 feet east from the center line of the road, 5 feet south from the north end of the guardrail, 30 inches above the road; a chiseled triangle.

834.293 feet NGVD 1929

254.2930 meters NGVD 1929

IFC&WRC TBM SC 92, 1958 In Boone County, about 3.4 miles west of Mechanicsburg, 1.2 miles northwest along U. S. Highway 52 from its junction with State Road 47 to an east-west crossroads, thence 0.30 mile east to a right angle turn, thence about 1.56 miles generally northeast and north along a paved road to a T-road east set in the south side of a power pole, 21.3 feet south of extended center line of T-road east, 15.3 feet west from center line of north-south road, 8.5 feet east of a fence line, 0.3 foot above ground, about level with the road; a railroad spike driven through an aluminum tag, stamped "TBM SC 92 1958."

864.848 feet NGVD 1929

263.6062 meters NGVD 1929

IFC&WRC TBM SC 93, 1958

In Boone County, about 3.2 miles west of Mechanicsburg, 1.2 miles northwest along U. S. Highway 52 from its junction with State Road 47 to an east-west crossroads, thence 0.30 mile east to a right angle turn and a paved road, thence 1.56 miles generally northeast and north to a T-road east thence 0.76 mile generally east set in the north side of a power pole (#AC 7.55) 1st pole on the south side of road west from a farm house, 24 feet south of center line of road, 1.1 feet above ground, 2.4 feet above road; a railroad spike through an aluminum tag, stamped "TBM SC 93 1958."

872.376 feet NGVD 1929

265.9007 meters NGVD 1929

IFC&WRC TBM SC 94, 1958

In Boone County, about 2.4 miles west of Mechanicsburg, 2.85 miles west along State Road 47 from its junction with State Road 39 in Pike to a T-road north thence 2.6 miles north to a right angle turn, thence mile west, set in the north side of a telephone pole (#AC 7/45), 17 feet south of center line of gravel road, 13 feet east of center line of farm lane leading to house, 7.5 feet north of fence corner post, 0.9 foot above ground; a railroad spike driven through an aluminum tag, stamped "TBM SC 94 1958."

861.612 feet NGVD 1929

262.6199 meters NGVD 1929

IFC& WRC BM BOO 21, 1957

In Boone County, about 3.2 miles northwest of Pike, 2.85 miles west along State Road 47 from its intersection with State Road 39 in Pike to a T-road north, thence 2 miles north to a one-span steel truss bridge over Sugar Creek, set in top of the north wingwall of the bridge, 17.7 feet north from the northwest corner of the northeast steel truss, 1.2 feet west from the east face of the north wingwall, about level with the road; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 21 1957."

842.613 feet NGVD 1929

256.8290 meters NGVD 1929

IFC&WRC TBM SC 56, 1957

In Boone County, about 3.5 miles northwest of Pike, 2.85 miles west along State Road 47, from its intersection with State Road 39 in Pike to a T-road north, thence 2.45 miles north to a 1.5 foot twin pipe culvert under the road, set in the west side of a 10-inch box elder tree, 36 feet southeast and across the road from a power pole, 24 feet north from the culvert, 13 feet east from the center line of the road, 0.8 foot above ground, about level with the road; a railroad spike driven through a brass plate, stamped "TBM SC 56 1957."

836.696 feet NGVD 1929

255.0255 meters NGVD 1929

IFC&WRC TBM SC 95, 1958

In Boone County, 2.2 miles northwest of Mechanicsburg, 0.50 mile north along State Road 39 from Mechanicsburg to a gravel T-road west opposite drive-in show, thence 2.40 miles generally west to a gravel T-road north set in the north side of a telephone pole, 18 feet south of center line of east-west road, 20.5 feet northeast of a white wooden fence corner post, 19.3 feet east of extended center line of T-road north, 1.8 feet above ground; a railroad spike driven through an aluminum tag, stamped "TBM SC 95 1958."

871.751 feet NGVD 1929

265.7102 meters NGVD 1929

IFC&WRC TBM SC 96 In Boone County about 2.0 miles northwest of Mechanicsburg, 0.50 mile north along State Road 39 from Mechanicsburg, to a gravel T-road west thence 1.97 miles generally west to a 60-foot concrete bridge over a small tributary to Sugar Creek, set in top of the northeast end of the north guardrail, 13.5 feet north of center line of road, 2.6 feet west of east face of north guardrail, 2.5 feet above road; a chiseled triangle.

852.321 feet NGVD 1929

259.7880 meters NGVD 1929

IFC&WRC TBM SC 58

In Boone County, about 3.1 miles northwest of Pike, 2.85 miles north along State Road 39 from its intersection with State Road 47 in Pike to a T-road west, thence 1.1 miles west to a north-south T-road, thence 0.15 mile north to a T-road west thence 0.2 mile west to a 7-foot box culvert under the road, set in top at the center of the south headwall of the culvert, 12 feet south from the center line of the road, about level with the road; a chiseled triangle.  
866.430 feet NGVD 1929 264.0884 meters NGVD 1929

IFC&WRC BM BOO 22, 1957

In Boone County, about 2.8 miles northwest of Pike, 2.85 miles north along State Road 39 from its intersection with State Road 47 in Pike to a T-road west, thence 1.0 mile west to the Pennsylvania Railroad overpass, set in top of the northwest wingwall of the overpass, 18 feet north from the center line of the road, 3.8 feet above the road, 1.3 feet east from the west end of the northwest wingwall; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 22 1957."  
858.722 feet NGVD 1929 261.7390 meters NGVD 1929

IFC&WRC BM BOO 23, 1957

In Boone County, about 8.5 miles northwest of Lebanon, 8.5 miles north along the Pennsylvania Railroad from its station in Lebanon to the Pennsylvania Railroad concrete arch bridge over Sugar Creek, set in top of the southwest wingwall of the bridge, 15 feet west from the west rail, 1.3 feet south from the north face of the wingwall; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 23 1957."  
874.285 feet NGVD 1929 266.4826 meters NGVD 1929

IFC&WRC TBM SC 59

In Boone County, about 2.1 miles northwest of Pike, 2.1 miles north along State Road 39 from its intersection with State Road 47 in Pike to a T-road west, thence 0.7 mile west to the crossing of the Pennsylvania Railroad, set in the northeast corner of the crossing, 96 feet east from the east rail, 20 feet north from the center line of the road, 1 foot above the road set on the southwest corner of a concrete foundation fence line post; a chiseled triangle.  
874.704 feet NGVD 1929 266.6103 meters NGVD 1929

USC&GS BM H 114 RESET 1953

In Boone County, at Mechanicsburg, about 0.25 mile south of the bank building on State Road 39, at the junction of State Road 39 and a paved T-road west, set in the southwest quarter of junction, 65 feet south from center line of T-road west, 35 feet west from center line of State Road 39, 2.8 feet southeast of a white wooden witness post, about 2.5 feet lower than highway, 2 feet north of a fence corner, 0.9 foot above ground; a U.S. Coast & Geodetic Survey bronze disk, stamped "H 114 RESET 1953."  
883.286 feet NGVD 1929 269.2261 meters NGVD 1929

ISHC BM BOON C 3

In Boone County at Mechanicsburg, at the State Road 39 steel truss bridge over Sugar Creek set in the top of the southeast wingwall of the bridge, 17.5 feet east from the center line of the highway, 1 foot above the highway; a Indiana State Highway Commission bench mark tablet, stamped "BOON C 3."  
867.065 feet NGVD 1929 264.2819 meters NGVD 1929

IFC&WRC BM BOO 24, 1957

In Boone County, about 2.4 miles north of Pike, 2.3 miles north along State Road 39 from its intersection with State Road 47 in Pike, to a T-road east, thence 0.5 mile east and south to a steel truss bridge over Sugar Creek, set in top of the northwest wingwall of the bridge, 10 feet west from the center line of the road, 1.1 feet northwest from the southwest corner of the north abutment, 0.7 foot below the road; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 24 1957."

860.230 feet NGVD 1929

262.1986 meters NGVD 1929

IFC&WRC TBM SC 60

In Boone County, about 2.55 miles northeast of Pike, 2.8 miles north along State Road 39 from its intersection with State Road 47 in Pike to a T-road east, thence 0.3 mile east to a north-south T-road, thence 0.8 mile north and east to a 1-foot pipe culvert under the road, set in the top at the center of the north headwall of the culvert, 13 feet north from the center line of the road, 0.3 foot above the road; a chiseled triangle.

881.761 feet NGVD 1929

268.7613 meters NGVD 1929

IFC&WRC BM BOO 25, 1957

In Boone County, about 2.6 miles northeast of Pike, 2.8 miles north along State Road 39 from its intersection with State Road 47 to a T-road east, thence 0.3 mile east to a north-south T-road, thence 0.85 mile north and east to a right angle turn north and a 1-foot pipe culvert under the road, set in the top at the center of the west headwall of the culvert, 28 feet north from a power pole #B3/E/42, 15 feet west from the center line of the road, 0.4 foot above the road; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 25 1957."

882.698 feet NGVD 1929

269.0469 meters NGVD 1929

IFC&WRC TBM SC 61

In Boone County, about 3.35 miles northeast of Pike, 2.8 miles north along State Road 39 from its intersection with State Road 47 in Pike to a T-road east, thence 0.3 mile east to a north-south T-road, thence 1.1 miles north and east to a T-road east, thence 0.75 mile generally east to a 5-foot box culvert under the road, set in top at the center of the south headwall of the culvert, 14 feet south from the center line of the road, 0.9 foot above the road; a chiseled triangle.

888.134 feet NGVD 1929

270.7038 meters NGVD 1929

IFC&WRC BM BOO 26 1957

In Boone County, about 4.2 miles southwest of Cyclone, Clinton County, 3.4 miles south along a paved and gravel road from its crossing of the Chicago, Indianapolis, and Louisville Railroad in Cyclone to a T-road west, thence 0.75 mile west to a T-road south, thence 0.5 mile generally south to a 4-foot box culvert under the road, set in top at the southwest end of the northwest headwall of the culvert, 19 feet northwest from the center line of the road, 2.7 feet below the road, 2.6 feet northeast from the southwest end of the headwall; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 26 1957."

881.639 feet NGVD 1929

268.7241 meters NGVD 1929

The following geodetic level line of second-order accuracy was completed during September, 1964. It progresses generally upstream along roads in Boone County on either bank of White Lick Creek and forms an extension to the original second-order line of Morgan and Hendricks Counties, dated September 14, 1961. The original and extended line now comprise the total length of stream levels from the confluence below Mooresville to the headwaters in Boone County.

Elevations of the listed marks are based on "Mean Sea Level Datum-1929 General Adjustment." They were determined by first-order leveling methods, with primary traverse in one direction, between bench marks previously established by the U. S. Coast and Geodetic Survey under the first and second-order leveling standards. All Indiana Flood Control and Water Resources Commission marks were adjusted to the base control net whenever closures were within second-order limits between consecutive marks as published by the U. S. Coast and Geodetic Survey. Elevations of USC&GS bench marks have been re-adjusted only when positive movement if the original mark has been verified by acceptable procedures. Third-order elevations under publications by other agencies, and listed herein, have been upgraded to second-order.

IFC&WRC TBM WLC 54, 1964

In Hendricks County, in the NW1/4 of Sec. 14, T.17N., R.1E., about 0.8 mile south-southeast of Fayette; 0.75 mile south along State Road 267 from the crossroads in Fayette to a T-road east, thence 0.25 mile east to a turn southeast; set in the east side of a 36-inch tree, 12.5 feet north from extended center line of east-west road, 11.0 feet northeast from extended center line of road southeast, 7.5 feet northwest from center line of farm lane, 4.0 feet southwest from northwest fence gate post, 0.4 foot above ground; a railroad spike driven through an aluminum tag, stamped "TBM WLC 54 1964."

911.988 feet NGVD 1929

277.9745 meters NGVD 1929

USC&GS BM T 77, 1946

In Hendricks County, in NE1/4 of Sec. 15, T.17N., R.1E., about 0.6 mile south of Fayette; 0.6 mile south along State Road 267 from the crossroads in Fayette to a 4-foot box culvert under the highway; set in the top at the north end of the east concrete headwall of the culvert, 25.0 feet east from the center line of the highway, 1.0 foot south from the north end of the headwall, 0.6 foot west of the east face of the headwall, 1.0 foot below the highway; a U. S. Coast and Geodetic Survey bronze bench mark tablet, stamped "T 77 1946."

922.938 feet NGVD 1929

281.3121 meters NGVD 1929

IFC&WRC BM BOO 27 A 1964

In Boone County, in E.1/2 of Sec. 10, T.17N., R.1E., about 0.25 mile east of Fayette; 0.25 mile east along a paved road from its intersection with State Road 267 in Fayette to a 3-span concrete bridge over White Lick Creek; set in the top of the southeast curb wall of the bridge, 13.0 feet south from the center line of the road, 1.7 feet west from the east end of the bridge, 0.6 foot north from the south face of the bridge, 0.9 foot above the roadway; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 27 A 1964."

922.951 feet NGVD 1929

281.3160 meters NGVD 1929

IFC&WRC TBM WLC 55, 1964

In Boone County, in the E. 1/2 Sec. 10, T.17N., R.1E., about 0.25 mile east of Fayette; 0.25 mile east along a paved road from its intersection with State Road 267 in Fayette to a 3-span concrete bridge over White Lick Creek; set in the northeast side of a 50-foot ash tree, 58.0 feet south from the center line of the road, 49.0 feet west from the west end of the bridge, 2.5 feet above the ground; a railroad spike driven through an aluminum tag, stamped "TBM WLC 55 1964."

918.107 feet NGVD 1929

279.8396 meters NGVD 1929

IFC&WRC BM BOO 28 A 1964

In Boone County, in the W 1/2 Sec. 2, T.17N., R.1E., about 1.1 miles north-northeast of Fayette; 1.0 mile north along State Road 267 from the crossroads in Fayette to a T-road east, thence 0.4 mile east to a single-span concrete and steel bridge over White Lick Creek; set in the top at the northeast end of the northeast wingwall of the bridge, 10.9 feet north from the center line of the road, 4.3 feet southwest from the northeast end of the wingwall, 0.7 foot southeast from the northwest face of the wingwall, about level with the roadway; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 28 A 1964."

929.172 feet NGVD 1929

283.2122 meters NGVD 1929

IFC&WRC TBM WLC 56, 1964

In Boone County, in the W1/2 Sec. 2, T.17N., R.1E., about 1.1 miles north-northeast of Fayette; 1.0 mile along State Road 267 from the crossroads in Fayette to a T-road east, thence 0.4 mile east to a single-span concrete and steel bridge over White Lick Creek; set in the south side of a 36-inch maple tree, 179 feet west from the west end of the bridge, 35.0 feet west from the center line of a drive on the east side of a private home, 22.0 feet north from the center line of the road, 0.8 foot above ground; a railroad spike driven through an aluminum tag, stamped "TBM WLC 56 1964."

934.163 feet NGVD 1929

284.7335 meters NGVD 1929

USC&GS BM V 77, 1946

In Boone County, in NE1/4 of Sec. 3, T.17N., R.1E., about 1.4 miles north of Fayette; 1.4 miles north along State Road 267 from the crossroads in Fayette to a 5-foot concrete box culvert under the highway; set in the top at the south end of the southwest headwall of the culvert, 22.3 feet west from the center line of the highway, 1.0 foot north from the south end of the headwall, 0.6 foot east from the west face of the headwall, about level with the highway; a U. S. Coast Geodetic Survey bronze bench mark tablet, stamped "V 77 1946."

939.496 feet NGVD 1929

286.3590 meters NGVD 1929

USC&GS BM W 77, 1946

In Boone County, in E 1/2 Sec. 34, T.18N., R.1E., about 2.0 miles north of Fayette; 2.0 miles north along State Road 267 from the crossroads in Fayette to an east-west crossroad and the Perry Township Central School in the northwest quarter of the intersection; set vertically in the east face at the northeast corner of the school building, 1.8 feet south from the north corner of the building, 4.5 feet above the ground; a U. S. Coast and Geodetic Survey bronze bench mark tablet, stamped "W 77 1946."

951.967 feet NGVD 1929

290.1601 meters NGVD 1929

ISHC BM BOON C-11

In Boone County, in the E 1/2 of Sec. 34, T.18N., R.1E., about 2.0 miles north of Fayette; 2.0 miles north along State Road 267 from the crossroads in Fayette to an east-west crossroad; set in the top of a concrete post in the northwest quarter of the intersection, 49.5 feet north from the center line of east-west road, 40.0 feet west from the center line of north-south highway, 1.9 feet north of right-of-way post, 0.5 foot above ground; a Indiana State Highway Commission bronze bench mark tablet, stamped "BOON C-11."  
946.151 feet NGVD 1929 288.3874 meters NGVD 1929

IFC&WRC BM BOO 29 A 1964

In Boone County, in the W 1/2 Sec. 35, T.18N., R.1E., about 2.1 miles north-northeast of Fayette; 2.0 miles north along State Road 267 from the crossroads in Fayette to an east-west crossroad, thence 0.5 mile east to a single-span concrete bridge over White Lick Creek; set in the top at the east end of the northeast headwall of the bridge, 9.0 feet north from the center line of the road, 1.6 feet west from the east end of the headwall, 1.8 feet above the roadway; a Indiana Flood Control and Water Resources Commission brass bench mark tablet, stamped "BOO 29 A 1964."  
938.648 feet NGVD 1929 286.1005 meters NGVD 1929

USC&GS BM D 80, 1946

In Boone County, in the S 1/2 Sec. 26, T.18N., R.1E., about 2.6 miles north-northeast of Fayette; 2.0 miles north along State Road 267 from the crossroads in Fayette to an east-west crossroad, thence 1.0 mile east to a north-south crossroad, thence 0.2 mile north to the junction of U. S. 52, thence 0.3 mile northwest to the junction of a T-road east; set in the top of a concrete post, 53 feet east from the center line of U. S. 52, 26 feet north from the center line of the T-road east, 7.0 feet west of a fence corner post, 0.4 foot below the roadway; a U. S. Coast and Geodetic Survey bronze bench mark tablet, stamped "D 80 1946." \*Revised USC&GS Elevation  
939.195\* feet NGVD 1929 286.2672 meters NGVD 1929

USC&GS BM X 77, 1946

In Boone County, in NE 1/2 Sec. 27, T.18N., R.1E., about 3.4 miles north of Fayette; 3.4 miles north along State Road 267 from the crossroads at Fayette to the terminal junction with U. S. 52; set in the top of a concrete post, 300 feet northwest from the center line of State Road 267 at short approach curve, 82 feet southwest from the southwest edge of the pavement of U. S. 52, 0.5 foot above ground; a U. S. Coast and Geodetic Survey bronze bench mark tablet, stamped "X 77 1946." \*Revised USC&GS Elevation  
952.644 feet NGVD 1929 238.161 meters NGVD 1929

USC&GS BM E 80, 1946

In Boone County, in the W 1/2 Sec. 22, T.18N., R.1E., about 4.0 miles north-northwest of Fayette; 3.4 miles north along State Road 267 from the crossroads in Fayette to the junction of U. S. 52, thence 0.75 mile northwest to a 9-foot concrete box culvert under the highway; set in the top at the south end of the southwest wingwall of the culvert, 14 feet southwest from the southwest edge of the pavement of U. S. 52, 1.0 foot above the highway; a U.S. Coast and Geodetic Survey bronze bench mark tablet, stamped "E 80 1946."  
952.104 feet NGVD 1929 290.2019 meters NGVD 1929

DNR TBM LICK 1, 1999

In Boone County, Fayette Quad., in the SW  $\frac{1}{4}$  of Section 2, T. 17 N., R. 1 E., 2<sup>nd</sup> PM.; approximately 1.0 mile north-northeast of Fayette; at the 650 South Road culvert over White Lick Creek; set in the south side of power pole # 18/121/PA, 38.0 feet southwest of a wood corner fence post, 32.3 feet west of the centerline of the culvert, 17.0 feet south of the centerline of 650 South Road, 1.6 feet above the ground; a railroad spike driven thru an aluminum tag, stamped "IDNR TBM LICK 1 1999".

928.628 feet NGVD 1929

283.0464 meters NGVD 1929

IDNR BM BOO 53, 1989

In Boone County, Carmel Quad, in the NE  $\frac{1}{4}$  of Section 24, T. 18 N., R. 2 E., 2<sup>nd</sup> P.M. about 4.7 miles northerly of the intersection of I 465 and U.S. 421. Beginning from the intersection of West 141<sup>st</sup> Street and Little Eagle Ave., proceed northerly along Little Eagle Ave. about  $\pm$  0.2 miles to a private drive leading westerly; thence westerly along private drive about 0.1 miles to a wooden bridge over Little Eagle Creek; set on top of the north end of the west concrete abutment of the bridge, 7 feet north of the centerline of private drive, 1.1 feet northwest of the northwest corner of black iron guardrail, 0.6 feet south of the north face of west concrete abutment, 0.6 feet west of the east face of the west concrete abutment, about level with the wooden bridge deck; a Department of Natural Resources control station tablet stamped "BOO 53 1989"

865.454 feet NGVD 1929

2<sup>nd</sup> Order

865.089 feet NAVD 1988

DNR BM HAM 38, 1989

In Hamilton County, Carmel Quad, in the NW  $\frac{1}{4}$  of Section 19, T. 18 N., R. 3 E., 2<sup>nd</sup> P.M. about 5 miles northerly of the intersection of I 465 and U.S. 421. set on top of the northwest concrete bridge abutment of the West 146<sup>th</sup> Street bridge over Little Eagle Creek, 15 feet north of the centerline of West 146<sup>th</sup> Street, 1.3 feet north of the north and east end of an aluminum guardrail, 1 foot south of the north face of concrete abutment, 0.5 foot west of the east face of abutment, 0.5 foot east of the west face of abutment, about level with the road; a Department of Natural Resources control station tablet stamped "HAM 38 1989".

870.122 feet NGVD 1929

2<sup>nd</sup> Order

869.756 feet NAVD 1988

DNR BM HAM 40, 1989

In Hamilton County, Carmel Quad, in the NW  $\frac{1}{4}$  of Section 20, T. 18 N., R. 3 E., 2<sup>nd</sup> P.M. about 5 miles northerly of the intersection of I 465 and U.S. 421. Set in the southwest  $\frac{1}{4}$  of the intersection of West 146<sup>th</sup> Street and Shelborne Road; set in top of a 8 inch concrete post. 31 feet east of the centerline of Shelborne Road, 20 feet south of the centerline of West 146<sup>th</sup> Street, 42.0 feet west of a power pole with a guy wire, 14.0 feet east of a power pole, 14.5 feet east of a stop sign post, 4.3 feet southwest of the south end of a 12 inch CMP under West 146<sup>th</sup> Street, on the south side of a ditch, about level with the ground; a Department of Natural Resources control station tablet stamped "HAM 40 1989".

906.443 feet NGVD 1929

2<sup>nd</sup> Order

906.076 feet NAVD 1988



STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch                      County: Boone                      Civil Twp: Eagle  
Section 1, Township 17, Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad:      Zionsville  
Agency Established by: DNR/Water                      Date: 1977  
Agency Recovered by: DNR/Water                      Date: May 1989  
-----

ELEVATION DATA (N.G.V.D. 1929):  
Elevation:                      Feet.                      Meters  
-----

POSITION DATA (N.A.D. 1927): Second Order Class II (Robert Scherschel Co.)  
Geodetic Position:       $\phi = 39^{\circ} 56' 38.1521''$                        $\lambda = 86^{\circ} 15' 04.7139''$   
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates: Ind. West Zone, Easting: 733,292.6595      Northing: 891,134.4420  
-----

AZIMUTH DATA:  

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
EZ TT B 20	57° 28' 19.5864"	56° 56' 16.5000"	2814.3959
	° ' "	° ' "	
	° ' "	° ' "	

  
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DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS  
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Located about 0.33 mile south along Zionsville Road from its junction with State Road 334 in Zionsville, to the Dow Chemical Plant (now abandoned and torn down), follow the plant road easterly 0.33 mile to the station; set in the top of a concrete post, level with the ground, in an open field; a Department of Natural Resources control station tablet, stamped "EZ TT B-21".

EZ TT B 21:      350.0 feet west of the Dow Chemical Plant property line fence  
                 158.6 feet northeast of the northeast corner of a 12" CMP headwall  
                 121.1 feet northeast of a 50" Hackberry tree stump  
                 84.4 feet north of a fence line  
                 8.5 feet west of a dim gravel road, overgrown with grass  
                 0.5 foot south of an orange DNR witness post

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch      County: Boone      Civil Twp: Eagle  
Section 36, Township 18 N., Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad: Carmel  
Agency Established by: DNR/Water      Date: 1989  
Agency Recovered by:      Date:  
-----

ELEVATION DATA (N.G.V.D. 1929):      Second Order Class II (DNR)  
Elevation:    875.113 Feet      266.7351 Meters

ELEVATION DATA (N.A.V.D. 1988):      Second Order Class II (DNR)  
Elevation:    874.733 Feet      266.6190 Meters  
-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:       $\phi = 39^{\circ} \quad 58' \quad 03.73981''$        $\lambda = 86^{\circ} \quad 14.59.91327' \quad ''$   
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates: Ind. East Zone, Easting: 336,502.025      Northing: 899,241.606

POSITION DATA (N.A.D. 1983/86):  
Geodetic Position:       $\phi = 39^{\circ} \quad 58' \quad 03.88198''$        $\lambda = 86^{\circ} \quad 14' \quad 59.88593''$   
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates: Ind. East Zone, Easting: 164,591.871      Northing: 1,719,482.409  
INDIANA STATE PLANE COORDINATES IN METERS  
State Plane Coordinates: Ind. East Zone, Easting: 50,167.703      Northing: 524,099.287  
-----

AZIMUTH DATA:

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
	°   '   ''	°   '   ''	
	°   '   ''	°   '   ''	
	°   '   ''	°   '   ''	

-----

DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

-----

The station is located about 0.6 mile north-northwest of Eagle Village; at the intersection of U.S. 421 and Valley Meadow Drive; set in the top of a concrete post, 0.2 foot below the ground; an Indiana Department of Natural Resources control station tablet, stamped EZ TT A 24 RESET 1989".

EZ TT A24 RESET:      71.0 feet north of the centerline of Valley Meadow Drive  
31.5 feet northeast of a historical marker sign post  
30.5 feet west of the centerline of U.S. 421  
17.7 feet east-northeast of a gas pipeline marker post

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch                      County: Boone                      Civil Twp: Eagle  
Section 25, Township 18 N., Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad:      Zionsville  
Agency Established by: DNR/Water                      Date: 1989  
Agency Recovered by:                                      Date:  
-----

ELEVATION DATA (N.G.V.D. 1929):      Second Order Class II (DNR)  
Elevation:    880.012 Feet                      268.2283 Meters

ELEVATION DATA (N.A.V.D. 1988):      Second Order Class II (DNR)  
Elevation:    879.633 Feet                      268.1128 Meters  
-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:       $\phi = 39^{\circ} \quad 58' \quad 38.22969''$                        $\lambda = 86^{\circ} \quad 15' \quad 15.58707''$   
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates: Ind. East Zone, Easting: 335,304.661      Northing: 902,739.505

POSITION DATA (N.A.D. 1983/86):  
Geodetic Position:       $\phi = 39^{\circ} \quad 58' \quad 38.37138''$                        $\lambda = 86^{\circ} \quad 15' \quad 15.56082''$   
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates: Ind. E Zone, Easting: 163,394.454      Northing: 1,722,980.322  
INDIANA STATE PLANE COORDINATES IN METERS  
State Plane Coordinates: Ind. East Zone, Easting: 49,802.729      Northing: 525,165.453  
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AZIMUTH DATA:

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
	° ' "	° ' "	
	° ' "	° ' "	
	° ' "	° ' "	

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DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

-----

The station is located about 1.5 miles north of Zionsville; at the intersection of U.S. 421 and Willow Road (Avenue), in the northeast  $\frac{1}{4}$  of the intersection; set in the top of a concrete post, 0.2 foot below the ground; a Department of Natural Resources control station tablet, stamped "EZTT A 25 RESET 1989".

EZ TT A 25 RESET:      187.0 feet north of the centerline of Willow Road (Avenue)  
                            34.5 feet east of the centerline of U.S. 421  
                            29.0 feet west of a north-south fence line  
                            16.5 feet northwest of a 7" tree  
                            3.0 feet above the highway

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

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PROJECT DATA	Station Code and No. EZ TT A 27	
Project Name: Little Eagle Branch	County: Boone	Civil Twp: Eagle
Section 23, Township 18 N., Range 2 E., 2 <sup>nd</sup> P.M.	USGS 7.5' Quad: Zionsville	
Agency Established by: DNR/Water (Robert Scherschel Co.)	Date: 1977	
Agency Recovered by: DNR/Water	Date: April 1989	

---

ELEVATION DATA (N.G.V.D. 1929): Second Order Class II (DNR)  
Elevation: 909.591 Feet 277.2439 Meters

ELEVATION DATA (N.A.V.D. 1988): Second Order Class II (DNR)  
Elevation: 909.221 Feet 277.1310 Meters

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POSITION DATA (N.A.D. 1927): Second Order Class II (Robert Scherschel Co.)  
Geodetic Position:  $\phi = 39^{\circ} 59' 39.7425''$   $\lambda = 86^{\circ} 15' 45.2361''$   
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates: Ind. West Zone, Easting: 729,967.3894 Northing: 909,479.7461

---

AZIMUTH DATA:

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
EZ TT A 29	158° 59' 23.4632"	158° 27' 44.4000"	4867.3113
	° ' "	° ' "	
	° ' "	° ' "	

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DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

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Located about 3.0 miles north of Zionsville; 3.0 miles north-northwest along U.S. 421 from its junction with State Road 334, in Zionsville, 0.3 mile south from the intersection of 300 South Road, on U.S. 421, 400 feet east from a large white barn with letters painted on it, reading "FM"; set in the top of a concrete post, level with the ground; a Department of Natural Resources control station tablet, stamped "EZ TT A 27 1978".

EZ TT A 27: 146.5 feet northwest of a power pole  
121.8 feet southwest of a power pole  
32.6 feet east of the centerline of U.S. 421  
16.25 feet west of a fence line  
1.5 feet above the highway

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch      County: Boone      Civil Twp: Eagle  
Section 12, Township 17 N., Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad:      Zionsville  
Agency Established by:      USGS      Date: 1951  
Agency Recovered by:      DNR/Water      Date: May 1989  
-----

ELEVATION DATA (N.G.V.D. 1929):      Second Order Class II (Accu-Air Surveys)  
Elevation:      850.109 Feet      176.8176 Meters  
-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone, Easting:      Northing:

POSITION DATA (N.A.D. 1983/      ):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone,      Easting:      Northing:

-----  
AZIMUTH DATA:

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
	°      '      "	°      '      "	
	°      '      "	°      '      "	
	°      '      "	°      '      "	

-----

DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS  
-----

The station is located 0.6 mile south of Zionsville; 0.6 mile south along High School Avenue (Zionsville Road) from its intersection with S.R. 334, to the south entrance of the Zionsville Cemetery; set in the southeast  $\frac{1}{4}$  of the intersection; set in the top of a 10.0 inch square concrete post, 0.4 foot above the ground; a U.S. Geological Survey brass tablet, stamped "TT 6 1951 JMH".

TT 6:      84.3 feet southwest of Reference #2  
            77.9 feet northwest of Reference #1  
            66.0 feet south of the centerline of the cemetery entrance  
            21.0 feet east of the centerline of High School Ave. (Zionsville Road)  
            5.0 feet southeast of a p/p

Reference #1:    is located at the same intersection; set in the top of a concrete post, level with the ground; a Department of Natural Resources brass control station tablet, stamped "USGS REF 1 TT 6 1951 JMH".

            87.6 feet east of the centerline of High School Ave. (Zionsville Rd.)  
            25.0 feet northeast of a utility pole  
            12.5 feet east of the centerline of a gravel cemetery road  
            5.0 feet west of a 5.0 inch Maple tree

Reference #2:    is located at the same intersection, set in the northeast  $\frac{1}{4}$  of the intersection, set in the top of a concrete post, level with the ground; a Department of Natural Resources brass control station tablet, stamped "USGS REF 2 TT 6 1951 JMH".

            38.0 feet east of the centerline of Zionsville Road  
            24.0 feet north of the centerline of the gravel cemetery road leading east-northeast  
            8.0 feet west of a 9" Red Maple tree  
            0.6 foot east of a witness post

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch      County: Boone      Civil Twp: Eagle  
Section 26, Township 18 N., Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad: Zionsville  
Agency Established by: IPC & WRC      Date: 1956  
Agency Recovered by: DNR/Water      Date: 1989  
-----

ELEVATION DATA (N.G.V.D. 1929): Second Order Class II (DNR)  
Elevation: 848.881 Feet      258.7395 Meters

ELEVATION DATA (N.A.V.D. 1988): Second Order Class II (DNR)  
Elevation: 848.503 Feet      258.6242 Meters  
-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:  $\phi =$  °   '   "       $\lambda =$  °   '   "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone,      Easting:      Northing:

POSITION DATA (N.A.D. 1983/    ):  
Geodetic Position:  $\phi =$  °   '   "       $\lambda =$  °   '   "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone,      Easting:      Northing:  
-----

AZIMUTH DATA:			
Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
	°   '   "	°   '   "	
	°   '   "	°   '   "	
	°   '   "	°   '   "	

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DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

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The station is located about 2.0 miles north of Zionsville; about 1.0 mile west of U.S. 421, at the O'Neal Avenue steel truss bridge over Eagle Creek; set in the top of the northeast concrete bridge seat; an Indiana Flood Control and Water Resources Commission bench mark tablet, stamped "BOO 5 1956."

BOO 5:      9.7 feet north of the centerline of the road  
             1.0 foot below the road  
             0.3 foot north of the north face of the north truss

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch      County: Boone      Civil Twp: Clay  
Sec. 36 Twp. 18N    Ran. 2E    , 2<sup>nd</sup> P.M.    USGS 7.5' Quad:    Carmel  
Agency Established by: DNR/Water      Date: March 1989  
Agency Recovered by:      Date:  
-----

ELEVATION DATA (N.G.V.D. 1929):    Second Order Class II (DNR)  
Elevation:    879.271 Feet      268.0022 Meters

ELEVATION DATA (N.A.V.D. 1988):    Second Order Class II (DNR)  
Elevation:    878.890 Feet      267.8861 Meters  
-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:     $\phi =$  °    '    "       $\lambda =$  °    '    "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone, Easting:      Northing:

POSITION DATA (N.A.D. 1983/    ):  
Geodetic Position:     $\phi =$  °    '    "       $\lambda =$  °    '    "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone, Easting:      Northing:

-----  
AZIMUTH DATA:  

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
	°    '    "	°    '    "	
	°    '    "	°    '    "	
	°    '    "	°    '    "	

  
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-----  
DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS  
-----

The station is located at Eagle Village; at the intersection of U.S. 421 and Greenfield Road;  
set in the southwest side of utility pole NIPSCO #8386329; a railroad spike without an aluminum  
tag, designated as DNR TBM LE 3 1989.

TBM LE 3:    59.2 feet southwest of a 20" Maple tree  
48.0 feet east of the centerline of U.S. 421  
23.1 feet south of the centerline of Greenfield Road  
10.6 feet north of a road sign post  
1.0 foot above the ground

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch      County: Boone      Civil Twp: Marion  
Section 36, Township 19 N., Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad: Westfield  
Agency Established by: USC & GS      Date: 1946  
Agency Recovered by: DNR/Water      Date: 1989  
-----

ELEVATION DATA (N.G.V.D. 1929): Second Order Class II (DNR) \* New Elevation  
Elevation: 921.301 Feet      280.8130 Meters

ELEVATION DATA (N.A.V.D. 1988): Second Order Class II (DNR)  
Elevation: 920.940 Feet      280.7032 Meters  
-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone, Easting:      Northing:

POSITION DATA (N.A.D. 1983/      ):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone, Easting:      Northing:

-----  
AZIMUTH DATA:  

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
	°      '      "	°      '      "	
	°      '      "	°      '      "	
	°      '      "	°      '      "	

  
-----

-----  
DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS  
-----

The station is located about 1.0 mile west of Jolietville; 1.0 mile west along State Road 32 from its intersection with Joliet Road, to the McClain's residence; set in top of a concrete post, 0.1 foot above ground; a U.S. Coast & Geodetic Survey bench mark tablet, stamped F 112 1946".

F 112:    127.0 feet east of a utility pole (no number)  
          86.0 feet west of a utility pole (no number)  
          51.0 feet south-southwest of the east end of the brick entrance way  
          19.5 feet east of the centerline of the driveway to the north leading to the residence of the McClain's  
          2.5 feet north of the centerline of State Road 32



STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch      County: Boone      Civil Twp: Eagle  
Section 36, Township 18 N., Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad:      Zionsville  
Agency Established by: DNR/Water      Date: March 1989  
Agency Recovered by:      Date:  
-----

ELEVATION DATA (N.G.V.D. 1929):      Second Order Class II (DNR)  
Elevation:    835.582 Feet      254.6858      Meters

ELEVATION DATA (N.A.V.D. 1988):      Second Order Class II (DNR)  
Elevation:    835.201 Feet      254.5698 Meters  
-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone,      Easting:      Northing:

POSITION DATA (N.A.D. 1983/      ):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone,      Easting:      Northing:  
-----

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
	°   '   "	°   '   "	
	°   '   "	°   '   "	
	°   '   "	°   '   "	

-----

DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

-----  
The station is located about 0.6 mile northeast of Zionsville; at the 550 South Road bridge (West 121<sup>st</sup> Street) over Little Eagle Creek; set in the top of the southeast bridge seat; a Department of Natural Resources brass control station tablet, stamped "BOO 52 1989".

BOO 52:      42.3 feet west of power pole #NIPSCO 54-811  
         13.0 feet south of the centerline of 550 South Road  
         3.7 feet below the road  
         2.7 feet west of the east end of bridge  
         0.6 foot south of the south face of the bridge

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch      County: Boone      Civil Twp: Eagle  
Section 24, Township 18 N., Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad: Carmel  
Agency Established by: DNR/Water      Date: March 1989  
Agency Recovered by:      Date:  
-----

ELEVATION DATA (N.G.V.D. 1929): Second Order Class II (DNR)  
Elevation: 865.456 Feet      263.7915 Meters

ELEVATION DATA (N.A.V.D. 1988): Second Order Class II (DNR)  
Elevation: 865.089 Feet      263.6796 Meters  
-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates: Ind. East Zone, Easting:      Northing:

POSITION DATA (N.A.D. 1983/      ):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone,      Easting:      Northing:  
-----

AZIMUTH DATA:  

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
	°      '      "	°      '      "	
	°      '      "	°      '      "	
	°      '      "	°      '      "	

  
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DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS  
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This station is located approximately 2.5 miles north-northeast of Zionsville; about 0.1 mile west of the Boone-Hamilton County line, 0.1 mile north of the Willow Avenue and West 141<sup>st</sup> Street intersection, at the "Rancho Alegre" private road bridge over Little Eagle Creek; set in the top of the northwest concrete headwall of the bridge, level with the road; a Department of Natural Resources brass control station tablet, stamped "BOO 53 1989".

BOO 53:      395.0 feet west along the private road from Willow Avenue  
7.0 feet north of the centerline of the private road  
            feet northwest of the northwest corner of the north black iron  
            guardrail  
            0.6 foot south of the north face of the west concrete abutment  
            0.6 foot west of the east face of the west concrete abutment

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch      County: Boone      Civil Twp: Eagle  
Section 36, Township 18 N., Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad: Carmel  
Agency Established by: DNR/Water      Date: April 1989  
Agency Recovered by:      Date:  
-----

ELEVATION DATA (N.G.V.D. 1929):      Second Order Class II (DNR)  
Elevation:    901.138 Feet      274.6675 Meters

ELEVATION DATA (N.A.V.D. 1988):      Second Order Class II (DNR)  
Elevation:    900.759 Feet      274.5518 Meters  
-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:     $\phi = 39^\circ$     57'    45.28791"       $\lambda = 86^\circ$     14'    34.36590"  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates: Ind. East Zone, Easting: 338,479.078    Northing: 897,361.608

POSITION DATA (N.A.D. 1983/86):  
Geodetic Position:     $\phi = 39^\circ$     57'    45.43020"       $\lambda = 86^\circ$     14'    34.33739"  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates: Ind. East Zone, Easting: 166,568.963    Northing: 1,717,602.390  
INDIANA STATE PLANE COORDINATES IN METERS  
State Plane Coordinates: Ind. East Zone, Easting: 50,770.321    Northing: 523,526.255  
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AZIMUTH DATA:

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
	° ' "	° ' "	
	° ' "	° ' "	
	° ' "	° ' "	

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DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

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This station is located approximately 1.0 mile northeast of Zionsville; 0.2 mile east along west 121<sup>st</sup> Street from its junction with State Road 421, at the intersection of Daugherty Drive and West 121<sup>st</sup> Street, in the northeast ¼ of the intersection, at the entrance to the Eagle Village subdivision; set in the top of a concrete post, level with the ground; a Department of Natural Resources brass control station tablet, stamped "BOO 54 1989".

BOO 54:      42.3 feet northeast of and across west 121<sup>st</sup> Street from a utility pole  
         25.8 feet north of the centerline of West 121<sup>st</sup> Street  
         18.5 feet east of the centerline of Daugherty Drive  
         10.1 feet southwest of the northwest corner of a brick wall

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

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-----
PROJECT DATA
Project Name: Little Eagle Branch FPM   County: Boone   Civil Twp: Washington
Section 12, Township 18 N., Range 2 E., 2nd P.M.   USGS 7.5' Quad: Westfield
Agency Established by: DNR/Water
Agency Recovered by:
Date: March 1992
Date:
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ELEVATION DATA (N.G.V.D. 1929):
Elevation:           Feet           Meters
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POSITION DATA (N.A.D. 1927):
Geodetic Position:  Ø= 40° 00' 47.55571" λ= 86° 14' 44.02465"
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)
State Plane Coordinates: Ind. East Zone, Easting: 337,846.745 Northing: 915,809.449
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POSITION DATA (N.A.D. 1983/86):
Geodetic Position:  Ø= 40° 00' 47.69486" λ= 86° 14' 43.99902 "
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)
State Plane Coordinates: Ind. East Zone, Easting: 165,936.424 Northing: 1,736,050.242
INDIANA STATE PLANE COORDINATES IN METERS
State Plane Coordinates: Ind. East Zone, Easting: 50,577.523 Northing: 529,149.172
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AZIMUTH DATA:
Mark Name | Geodetic Azimuth | Grid Azimuth | Grid Distance (feet)
          |   ° ' "         |   ° ' "         |
          |   ° ' "         |   ° ' "         |
          |   ° ' "         |   ° ' "         |
-----

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DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

The station is located approximately 3.0 miles northeast of Zionsville; about 0.2 mile west along 200 South Road from its intersection with the Boone-Hamilton Co. Line Road; set in the top of a concrete post; 0.1 foot below the ground; a Dept. of Natural Resources brass control station tablet, stamped "BOO 55 1992".

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BOO 55:  110 feet northwest of and across the road from p/p #BC 5/141 with a "no
Trespassing" sign on the north side of the p/p
63.1 feet northeast of and across the road from the top of the center of the
west end of a CMP culvert under the private drive (#11779).
53.5 feet east of a wooden mailbox post (#11779-R.L. Hoffman)
48.3 feet northeast of and across the road from the northeast corner of the
east most of two brick driveway pillars (#11779).
40.5 feet northeast of the centerline of 200 South Road and the extended
centerline of the private drive to the south (#11779)
12.4 feet north of the centerline of 200 South Road
11.7 feet southeast of a wooden fence end post
3.1 feet east of a orange DNR witness post

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STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch      County: Boone      Civil Twp: Eagle  
Section 36, Township 18 N., Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad:      Zionsville  
Agency Established by: DNR/Water      Date: March 1989  
Agency Recovered by:      Date:  
-----

ELEVATION DATA (N.G.V.D. 1929):      Second Order Class II (DNR)  
Elevation:      839.856 Feet      255.9885 Meters

ELEVATION DATA (N.A.V.D. 1988):      Second Order Class II (DNR)  
Elevation:      839.475 Feet      255.8726 Meters  
-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone, Easting:      Northing:

POSITION DATA (N.A.D. 1983/      ):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone, Easting:      Northing:  
-----

AZIMUTH DATA:							
Mark Name	Geodetic Azimuth			Grid Azimuth			Grid Distance (feet)
	°	'	"	°	'	"	
	°	'	"	°	'	"	
	°	'	"	°	'	"	

-----

DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

-----

The station is located about 0.5 mile north-northeast of Zionsville; at the Willow Avenue bridge over Eagle Creek; set in the top of the northeast concrete bridge seat, 4.0 feet below the level of the road; a Department of Natural Resources brass control station tablet, stamped "BOO 3 Reset 1989".

BOO 3 Reset:      415.0 feet south of the centerline of West 121<sup>st</sup> Street  
                  16.8 feet east of the centerline of Willow Avenue  
                  7.8 feet south of the north end of the bridge  
                  0.5 foot west of the east face of the bridge seat

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

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-----
PROJECT DATA
Project Name: Little Eagle Branch      County: Boone      Civil Twp: Eagle
Section 26, Township 18 N., Range 2 E., 2nd P.M.  USGS 7.5' Quad:  Zionsville
Agency Established by:  DNR/Water      Date: March 1989
Agency Recovered by:      Date:
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-----
ELEVATION DATA (N.G.V.D. 1929):  Second Order Class II (DNR)
Elevation:  841.205 Feet          256.3898 Meters
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-----
ELEVATION DATA (N.A.V.D. 1988):  Second Order Class II (DNR)
Elevation:  840.826 Feet          256.2842 Meters
-----
  
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-----
POSITION DATA (N.A.D. 1927):
Geodetic Position:  Ø= ° ' "          λ= ° ' "
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)
State Plane Coordinates:  Zone, Easting:  Northing:
-----
  
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-----
POSITION DATA (N.A.D. 1983/ ):
Geodetic Position:  Ø= ° ' "          λ= ° ' "
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)
State Plane Coordinates:  Zone, Easting:  Northing:
-----
  
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AZIMUTH DATA:
Mark Name          | Geodetic Azimuth | Grid Azimuth | Grid Distance (feet)
                   | ° ' "           | ° ' "        |
                   | ° ' "           | ° ' "        |
                   | ° ' "           | ° ' "        |
-----
  
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DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

This station is located approximately 1.2 miles north of Zionsville; at the Turkey Foot bridge over Eagle Creek; approximately 216.0 feet southwest of the bridge, at a private drive to the northwest; set in the top of a concrete post, level with the ground; a Department of Natural Resources brass control station tablet, stamped "BOO 4 Reset 1989".

```

BOO 4 Reset:  95.0 feet west of the centerline of Turkey Foot Avenue
              37.3 feet north of a witness post, on the wood fence line
              33.2 feet east of the center of a 38" maple tree
              20.3 feet north of the centerline of a private drive northwest
              13.2 feet northwest of the center of an 11" Cedar tree
  
```

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch      County: Boone      Civil Twp: Eagle  
Section 25, Township 18 N., Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad:      Zionsville  
Agency Established by:      ISHC      Date: March 1989  
Agency Recovered by:      DNR/Water      Date:  
-----

ELEVATION DATA (N.G.V.D. 1929):      Second Order Class II (DNR)  
Elevation:      845.939 Feet      257.3428 Meters

ELEVATION DATA (N.A.V.D. 1988):      Second Order Class II (DNR)  
Elevation:      845.559 Feet      257.7269 Meters  
-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone,      Easting:      Northing:

POSITION DATA (N.A.D. 1983/      ):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone,      Easting:      Northing:  
-----

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
	°      '      "	°      '      "	
	°      '      "	°      '      "	
	°      '      "	°      '      "	

-----

DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

-----  
This station is located approximately 1.0 mile northeast of Zionsville; at the U.S. 421 bridge over Little Eagle Creek; set in the top of the southwest concrete headwall of the bridge, level with the road; an Indiana State Highway Commission bench mark tablet, stamped, "BOON C 45".

BOON C 45:      525.0 feet southeast of the centerline of a road west (Clarkston Road)  
                 24.0 feet west of the centerline of U.S. 421  
                 1.5 feet west of the guardrail  
                 1.0 foot north of the south end of the headwall

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch      County: Boone      Civil Twp: Eagle  
Section 23, Township 18 N., Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad:      Zionsville  
Agency Established by:      USC & GS      Date: 1946  
Agency Recovered by:      DNR/Water      Date: March 1989  
-----

ELEVATION DATA (N.G.V.D. 1929):      Second Order Class II (USC & GS)  
Elevation:      901.169 Feet      274.677 Meters

ELEVATION DATA (N.A.V.D. 1988):      Second Order Class II (DNR)  
Elevation:      900.802 Feet      274.5650 Meters  
-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone, Easting:      Northing:

POSITION DATA (N.A.D. 1983/      ):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone, Easting:      Northing:

-----  
AZIMUTH DATA:  

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
	°      '      "	°      '      "	
	°      '      "	°      '      "	
	°      '      "	°      '      "	

  
-----

-----  
DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS  
-----

The station is located about 3.0 miles north of Zionsville; at the intersection of U.S. 421 and West 146<sup>th</sup> Street (300 South Road); set in the top of a concrete post, in the southwest quarter of the intersection, 0.3 foot above the ground; a U.S. Coast & Geodetic Survey bench mark tablet, stamped, "N 78 1946".

N 78:      48.0 feet west of the centerline of U.S. Highway 421  
         27.5 feet south of the centerline of West 146<sup>th</sup> Street (300 South Road)  
         5.0 feet southeast of a utility pole  
         3.6 feet southeast of a wooden fence corner



STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch      County: Boone      Civil Twp: Eagle  
Section 25, Township 18 N., Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad:      Zionsville  
Agency Established by:      USC & GS      Date: 1946  
Agency Recovered by:      DNR/Water      Date: March 1989  
-----

ELEVATION DATA (N.G.V.D. 1929):      Second Order Class II (USC & GS)  
Elevation:      877.780 Feet      267.548 Meters

ELEVATION DATA (N.A.V.D. 1988):      Second Order Class II (DNR)  
Elevation:      877.403 Feet      267.4330 Meters  
-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone, Easting:      Northing:

POSITION DATA (N.A.D. 1983/      ):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone, Easting:      Northing:

-----  
AZIMUTH DATA:  

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
	°      '      "	°      '      "	
	°      '      "	°      '      "	
	°      '      "	°      '      "	

  
-----

-----  
DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS  
-----

The station is located about 2.0 miles north of Zionsville; at the U.S. 421 Bridge over Cox Creek; set in the top, near the center, of the northeast concrete headwall; a U.S. Coast & Geodetic Survey bench mark tablet, stamped "P 78 1946".

P78:      200.0 feet northwest of the centerline of a road west (O'Neal Road)  
         34.6 feet west of utility pole P.S.C. of I. 55-026  
         19.6 feet northeast of the centerline of U.S. 421  
         4.5 feet northwest of the southeast end of the headwall  
         0.2 foot above the highway

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch      County: Boone      Civil Twp: Eagle  
Section 25, Township 18 N., Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad:      Zionsville  
Agency Established by:      Date: 1946  
Agency Recovered by:      DNR/Water      Date: 1989  
-----

ELEVATION DATA (N.G.V.D. 1929):      Second Order Class II (USC & GS)  
Elevation:      849.135 Feet      258.817 Meters

ELEVATION DATA (N.A.V.D. 1988):      Second Order Class II (DNR)  
Elevation:      848.755 Feet      258.7010 Meters  
-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone, Easting:      Northing:

POSITION DATA (N.A.D. 1983/      ):  
Geodetic Position:       $\phi =$  °      '      "       $\lambda =$  °      '      "  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates:      Zone, Easting:      Northing:

-----  
AZIMUTH DATA:  

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
	°      '      "	°      '      "	
	°      '      "	°      '      "	
	°      '      "	°      '      "	

  
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-----  
DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS  
-----

The station is located 1.0 mile north-northeast of Zionsville; at the U.S. 421 box culvert over an unnamed tributary to Little Eagle Creek; about 1.05 miles northwest along U.S. 421 from its intersection with State Road 334; set in the center of the top of the southwest headwall of a 6 foot concrete box culvert, 3.0 feet below the highway; a U.S. Coast & Geodetic Survey bench mark tablet, stamped "Q 78 1946".

Q 78:      700.0 feet southeast of the southeast end of the U.S. 421 bridge over Little Eagle Creek  
            85.0 feet northwest of the centerline of West 126<sup>th</sup> Street  
            28.0 feet southwest of the centerline of U.S. 421  
            12.5 feet northwest of the southeast end of the culvert

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

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-----
PROJECT DATA                                     Station Code and No. R 78
Project Name: Little Eagle Branch           County: Boone           Civil Twp: Eagle
Section 36, Township 18 N., Range 2 E., 2nd P.M.   USGS 7.5' Quad:   Carmel
Agency Established by:   USC & GS                               Date: 1946
Agency Recovered by:    DNR/Water                               Date: March 1989
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ELEVATION DATA (N.G.V.D. 1929):  Second Order Class II (USC & GS)
Elevation:   855.182 Feet           269.804 Meters
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ELEVATION DATA (N.A.V.D. 1988):  Second Order Class II (DNR)
Elevation:   884.801 Feet           269.6880 Meters
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POSITION DATA (N.A.D. 1927):
Geodetic Position:   Ø= °      '      "           λ= °      '      "
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)
State Plane Coordinates:   Zone, Easting:   Northing:
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POSITION DATA (N.A.D. 1983/   ):
Geodetic Position:   Ø= °      '      "           λ= °      '      "
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)
State Plane Coordinates:   Zone, Easting:   Northing:
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AZIMUTH DATA:
Mark Name           |   Geodetic Azimuth   |   Grid Azimuth   |   Grid Distance (feet)
                   |   °   '   "         |   °   '   "         |
                   |   °   '   "         |   °   '   "         |
                   |   °   '   "         |   °   '   "         |
-----

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DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

The station is located at Eagle Village; at the U.S. 421 culvert over Lost Run; set in the top of the northeast concrete headwall of the culvert; a U.S. Coast & Geodetic Survey bench mark tablet, stamped, "R 78 1946".

```

R 78:   85.8 feet southeast of a utility pole
        22.15 feet west of the centerline of U.S. 421
        22.0 feet northwest of a utility pole
        5.0 feet below the highway
        4.0 feet east of a metal witness post
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STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----

PROJECT DATA Station Code and No. LEE 3  
Project Name: Little Eagle Branch County: Boone Civil Twp: Eagle  
Section 24 Township 18 N. Range 2 E., 2<sup>nd</sup> P.M. USGS 7.5' Quad: Carmel  
Agency Established by: DNR/Water Date: April 1989  
Agency Recovered by: Date:

-----

ELEVATION DATA (N.G.V.D. 1929): Second Order Class II (DNR)  
Elevation: 901.406 Feet 274.7490 Meters

ELEVATION DATA (N.A.V.D. 1988): Second Order Class II (DNR)  
Elevation: 901.038 Feet 274.6370 Meters

-----

POSITION DATA (N.A.D. 1927):  
Geodetic Position:  $\phi = 39^\circ 59' 54.85391''$   $\lambda = 86^\circ 14' 54.36555''$   
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates: Ind. East Zone, Easting: 337,007.327 Northing: 910,481.981

POSITION DATA (N.A.D. 1983/86):  
Geodetic Position:  $\phi = 39^\circ 59' 54.99370''$   $\lambda = 86^\circ 14' 54.33974''$   
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates: Ind. East Zone, Easting: 165,097.042 Northing: 1,730,722.744  
INDIANA STATE PLANE COORDINATES IN METERS  
State Plane Coordinates: Ind. East Zone, Easting: 50,321.679 Northing: 527,525.348

-----

AZIMUTH DATA:

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
LEE 3 AZI	° ' "	° ' "	
	° ' "	° ' "	
	° ' "	° ' "	

-----

DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

-----

The station is located about 2.65 miles north of Eagle Village; 0.88 mile east of U.S. 421, along 146<sup>th</sup> Street; set in the top of a concrete post, 0.3 foot below the ground; a Department of Natural Resources brass control station tablet, stamped "LEE 3 1989".

LEE 3:           112.0 feet east of a utility pole  
                  89.8 feet west of a private drive, south  
                  27.0 feet south of the centerline of West 146<sup>th</sup> Street  
                  1.9 feet north of an end fence post, and an orange DNR witness post

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

-----  
PROJECT DATA  
Project Name: Little Eagle Branch      Station Code and No. LEE 3 AZI  
County: Boone      Civil Twp: Eagle  
Section 24 Township 18 N. Range 2 E., 2<sup>nd</sup> P.M.      USGS 7.5' Quad: Zionsville  
Agency Established by: DNR/Water      Date: April 1989  
Agency Recovered by:      Date:  
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ELEVATION DATA (N.G.V.D. 1929):      Second Order Class II (DNR)  
Elevation: 907.897 Feet      276.7276 Meters

ELEVATION DATA (N.A.V.D. 1988):      Second Order Class II (DNR)  
Elevation: 907.530 Feet      276.6157 Meters  
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POSITION DATA (N.A.D. 1927):  
Geodetic Position:       $\phi = 39^\circ$       59'      54.48709"       $\lambda = 86^\circ$       15'      19.00693"  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates: Ind. East Zone, Easting: 335,089.371      Northing: 910,457.454

POSITION DATA (N.A.D. 1983/86):  
Geodetic Position:       $\phi = 39^\circ$       59'      54.62725"       $\lambda = 86^\circ$       15'      18.98199"  
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  
State Plane Coordinates: Ind. East Zone, Easting: 163,179.070      Northing: 1,730,698.254  
INDIANA STATE PLANE COORDINATES IN METERS  
State Plane Coordinates: Ind. East Zone, Easting: 49,737.080      Northing: 527,517.883  
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AZIMUTH DATA:  

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
LEE 3	° ' "	° ' "	
	° ' "	° ' "	
	° ' "	° ' "	

  
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DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

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The station is located about 3.0 mile north northeast of Zionsville; 0.5 mile east of U.S. 421 on West 146<sup>th</sup> Street; set in the top of a concrete post, level with the ground; a Department of Natural Resources brass control station tablet, stamped "LEE 3 AZI 1989".

LEE 3 AZI:      215.0 feet west of the centerline of a private drive south  
                 129.9 feet east of a utility pole #BC 15 57  
                 92.0 feet northwest of a small tree  
                 77.2 feet west of a utility pole #BC 15 58  
                 21.0 feet south of the centerline of West 146<sup>th</sup> Street  
                 6.2 feet northwest of a fence corner post  
                 3.8 feet north of an orange DNR witness post  
                 1.0 foot north of a fence line

STATE OF INDIANA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER

PRIMARY SURVEY CONTROL DATA

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PROJECT DATA
Project Name: Little Eagle Branch      Station Code and No. Terry
County: Boone      Civil Twp: Union
Section 1 Township 18 N. Range 2 E., 2nd P.M.  USGS 7.5' Quad: Rosston
Agency Established by: NGS      Date: 1986
Agency Recovered by: DNR/Water      Date: 1989
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ELEVATION DATA (N.G.V.D. 1929): Second Order Class II (DNR)
Elevation: 921.846 Feet      280.9792 Meters
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ELEVATION DATA (N.A.V.D. 1988): Second Order Class II (DNR)
Elevation: 921.486 Feet      280.8694 Meters
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POSITION DATA (N.A.D. 1927):
Geodetic Position:  Ø= 40° 02' 22.63062"      λ= 86° 15' 06.37447"
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)
State Plane Coordinates: Ind. East Zone, Easting: 336,170.931  Northing: 925,441.134
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POSITION DATA (N.A.D. 1983/86):
Geodetic Position:  Ø= 40° 02' 22.76916"      λ= 86° 15' 06.35061"
INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)
State Plane Coordinates: Ind. East Zone, Easting: 164,260.518  Northing: 1,745,682.037
INDIANA STATE PLANE COORDINATES IN METERS
State Plane Coordinates: Ind. East Zone, Easting: 50,066.706  Northing: 532,084.949
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AZIMUTH DATA:

Mark Name	Geodetic Azimuth	Grid Azimuth	Grid Distance (feet)
	° ' "	° ' "	
	° ' "	° ' "	

DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

The station is located about 1.2 miles west of Jolietville; at the Indianapolis Terry Airfield; west of the North South runway, near the North end of the runway; set in the top of a concrete post, level with the ground; a NGS bench mark tablet, stamped "Terry 1986".

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Terry:      454.0 feet southeast of the airport office building
            319.0 feet southeast of the most easterly hanger building
            185.0 feet south of the north end of the runway
            24.4 feet west of the west edge of pavement of the runway
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